Bruhat Bengaluru Mahanagara Palike

Office of the Executive Engineer (Road Infrastructure-TEC Division), Ground Floor,
Annexe-3Building, B.B.M.P Head office, N.R.Square Bengaluru-560002
Phone No: 8892124229

TENDERS FOR THE WORK OF

Widening of Dr. B.R. Ambedkar Veedhi Road from Karnataka Secretariat Club road (Cubbon Park gate) to BESCOM Corporate Office including Realigning of Existing Underpass at K.R. Circle in BBMP.

TENDER REFERENCE	:	EE/RI-TEC/TEND/ 18 /2023-24 Dt: 19.01.2024
DOWNLOADING OF TENDER DOCUMENT	:	22.02.2024 onwards
LAST DATE FOR SUBMISSION OF PRE-BID QUERIES	:	27.02.2024 upto 15:00 hrs
PRE BID MEETING WILL BE HELD ON	:	27.02.2024 at 16:30 hours in the office of the Engineer in Chief, BBMP
LAST DATE AND TIME FOR SUBMISSION OF TENDERS	:	13.03.2024 at 16:00 hours
DATE OF OPENING OF TECHNICAL BID	:	14.03.2024 at 16:30 hours
PLACE OF OPENING OF TECHNICAL BID	:	Office of the Executive Engineer RI–Traffic Engineering Cell
PLACE OF OPENING OF FINANCIAL BID	:	Office of the Executive Engineer RI–Traffic Engineering Cell
TIME AND DATE OF OPENING OF FINANCIAL BID	:	Will Intimated to Tenderers
ADDRESS FOR COMMUNICATION	:	Office of the Executive Engineer Road Infrastructure - Traffic Engineering Cell, N.R.Square, Bengaluru – 560 002 Mob: 8892124229 Email:eeritec2023@gmail.com

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SECTION 1: INVITATION FOR TENDERS (IFT)

BRUHAT BENGALURU MAHANAGARA PALIKE

No. EE/RI-TEC /TEND/ 18 /2023-2024

Office of the Executive Engineer
Road Infrastructure –Traffic Engineering
Cell,N.R.Square, Bengaluru – 560002
Dated : 19.02.2024

INVITATION FOR TENDER (IFT)
(Short Term Tender Notification)
(Through **GOK e–Procurement Portal** only)

1. The Executive Engineer Road Infrastructure-TEC Division invites tenders on behalf of the Chief Commissioner, BBMP, Bengaluru from eligible Tenderers for the works detailed in the table below. The tenderers may submit tenders for works given in the table through KPPP portal of the Government of Karnataka (viz https://kppp.karnataka.gov.in). The Tenderers are advised to note the minimum qualification criteria specified in Clause 3 of the Instructions to Tenderers to qualify for award of the contract.
2. Tender documents may be downloaded from the KPPP portal of the Government of Karnataka from 22.02.2024
3. Tenders must be accompanied by Earnest Money Deposit specified for the work in the table below. Earnest money deposit will have to be in any one of the forms as specified in the Tender document and shall have to be valid for 180 days beyond the validity of the tender.
4. Tenders must be submitted online through KPPP portal on or before 16.00 hours on 13.03.2024 and the opening of tenders will be as per the KPPP portal guidelines.
5. Other details can be seen in the tender documents.

Sl No.	Name of the Work	Appx. Amount put to tender (Rs in Lakhs)	EMD (Rs in Lakhs)	Period of Completion
1	Widening of Dr. B.R. Ambedkar Veedhi Road from Karnataka Secretariat Club road (Cubbon Park gate) to BESCOM Corporate Office including Realigning of Existing Underpass at K.R. Circle in BBMP	435.75 (Inclusive GST)	6.55 lakhs (Rs one lakh through e-payment & remaining as specified in bid document)	9 months (including monsoon)

Calendar of Events:

- Last Date for Tender queries: 27-02-2024 up to 3.00 pm.
- Pre bid Meeting on 27-02-2024 at 4.30 pm @ office of Engineering-in-Chief, No.109, 1st floor, Annex Building 2, N R Square, Bangalore.
- Last Date for Receipt of Tender is 13-03-2024 up to 4.00 pm.
- Date of opening of technical Bid is 14-03-2024 by 4.30 pm.
- Date of opening of financial Bid after approval of Technical bid.

NOTE:

1. Aspiring Bidders/Contractors who have not registered in KPPPshould register before participating through the website https://kppp.karnataka.gov.in
2. Before submission of online bids, bidders must ensure that scanned copies of all thenecessary documents have been attached with bid.
3. All the required information required for Bids must be filled and submit online.
4. For details, registration and e-payment visit GOK KPPPwebsite https://kppp.karnataka.gov.inor contact KPPPHelpdesk at 080 – 2237101, 22340060, 22340948
5. This tender notice can also be seen on the BBMP website www.bbmp.gov.in

Sd/-
Executive Engineer
RI- Traffic Engineering Cell
Bruhat Bengaluru Mahanagara Palike

Copy Submitted to the:

1. Personnel Section of Hon'ble Administrator, BBMP to bring into the notice of the Hon'ble Administrator.
2. Hon'ble Chief Commissioner, BBMP for kind information.
3. Special Commissioner (Projects) BBMP for kind information.
4. Engineer – in – Chief, BBMP for kind information.
5. Superintending Engineer (Road Infrastructure) for kind information.
6. The CAO / Chief Auditor for kind information.
7. I. T. Advisor with a Request to publish the same in the BBMP Website.
8. A.O. (Projects) / Accounts Superintendent / Cashier for information for necessary action.
9. Public Relation Officer, BBMP to publish in two leading National Newspapers in Kannada and English and also to publish the same at National Level.
10. Notice board / Office Copy.

Executive Engineer
RI- Traffic Engineering Cell
Bruhat Bengaluru Mahanagara Palike

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A. General

1. Scope of Tender

The Executive Engineer, Road Infrastructure-TEC Division, BBMP (Referred to as Employer in these documents) invites tenders following Two Cover tender procedure, from eligible Tenderers, for the work of Widening of Dr. B.R. Ambedkar Veedhi Road from Karnataka Secretariat Club road (Cubbon Park gate) to BESCOM Corporate Office including Realigning of Existing Underpass at K.R. Circle in BBMP detailed in the Table given in the Invitation for Tenders (IFT).The Tenderers may submit tender for the work detailed in the table given in IFT.

2. Eligible Tenderers

Tenderers shall not be under a declaration of ineligibility for corrupt and fraudulent practices issued bythe Government of Karnataka / BBMP
Tenders from Joint ventures are not acceptable.

3. Qualification of the Tenderer:

3.1 All Tenderers shall provide the requested information accurately and in sufficient detail in Section 3: Qualification information.

3.2 To qualify for award of this contract, each Tenderer in its name should have in the last five years (i.e. 2018-19 to 2022-23)

(a) achieved in at least two financial years a minimum financial turnover (in all classes of civilengineering construction works only) of **Rs. 697.00 lakhs**

(b) satisfactorily completed (at least 90% of the contract value) as prime contractor, at least one similar nature of work not less than **175.00 Lakhs**

(c) Executed in any one year, the following minimum quantities of work:[1]

Sl. No	Description	Unit	Quantity
1	Earth Work Excavation	Cum	2115.00
2	GSB	Cum	307.00
3	WMM	Cum	252.00
4	BM/DBM/BC	Cum	283.00
5	M10/M20/M35	Cum	836.00
6	Steel	Tonne	96.00

In support of this, the Tenderer shall furnish Work done Certificate by mentioning the Executed Quantity in one Financial Year duly certified by the Competent Authority not below the Rank of Executive Engineer along with the Technical Bid
Note: Certified Contractors Bill Copies shall be uploaded (Admitted Bill Copies)

(d) Deleted

(e) Deleted

3.3 Each Tenderer should further demonstrate:

(a) Availability by owning at least 50% of the required / specified key and critical equipment for this work and the remaining 50% can be deployed on lease / hire basis for all works provided the relevant documents (commitment agreements etc.) for availability for this work are furnished.

Sl No	Equipment	Total	No./Capacity	
			Own	Lease/ Hire
1	JCB / Excavator	2 Nos	1 No	1 No
2	Tippers	4 Nos	2 No	2 No
3	Paver Finisher	1 No		1 No
4	Road Roller	1 No		1 No
5	Water Tanker	2 Nos	1 No	1 No

(b) liquid assets and /or availability of credit facilities of not less than Rs. **117.00** Lakhs (Credit lines/letter of credit/ certificates from banks for meeting the fund requirement etc.

To qualify for a package of contracts made up of this and other contracts for which tenders are invited in this IFT, the Tenderer must demonstrate having experience and resources to meet the aggregate of the qualifying criteria for the individual contracts.

Sub-contractors' experience and resources shall not be taken into account in determining the Tenderer's compliance with the qualifying criteria except to the extent stated in 3.2 (d) and (e) above.

Tenderers who meet the above specified minimum qualifying criteria, will only be qualified, if their available tender capacity is more than the total tender value. The available tender capacity will be calculated as under:

Assessed available tender capacity = (A*N*1.5 - B)

where

A = Maximum value of civil engineering works executed in any one year during the last five years *(updated to* **2022-2023** *price level)* taking into account the completed as well as works in progress.
N = Number of years prescribed for completion of the works for which tenders are invited.
B = Value, at **2022-2023** price level, of existing commitments and on-going works to be completedduring the next 03 Months

Note: *The statements showing the value of existing commitments and on-going works as well as the stipulated period of completion remaining for each of the works listed should be countersigned by the Employer in charge, not below the rank of an Executive Engineer or equivalent.*

Even though the Tenderers meet the above criteria, they are subject to be disqualified if they have:

- made misleading or false representations in the forms, statements and attachments submitted inproof of the qualification requirements; and/or
- record of poor performance such as abandoning the works, not properly completing the contract,inordinate delays in completion, litigation history, or financial failures etc.; and/or
- participated in the previous Tender for the same work and had quoted unreasonably high tenderprices and could not furnish rational justification.

4. One Tender per Tenderer:

4.1 Each tenderer shall submit only one tender for one package. A tenderer who submits or participates in more than one Tender (other than as a sub-contractor or in cases of alternatives that have been permitted or requested) will cause all the proposals with the Tenderer's participation to be disqualified.

5. Cost of Tendering:

5.1 The tenderer shall bear all costs associated with the preparation and submission of his tender, and the Employer will in no case be responsible and liable for those costs.

6. Site visit:

6.1 The Tenderer at his own responsibility and risk is encouraged to visit and examine the Site of Works and its surroundings and obtain all information that may be necessary for preparing the Tender and entering into a contract for construction of the Works. The cost of visiting the Site shall be at the Tenderer's own expense.

B. Tender documents

7. Content of Tender documents

7.1 The set of tender documents shall have all the Sections given in Page 2:
7.2 Both the sets should be completed and returned with the tender.

8. Clarification of Tender Documents

8.1 A prospective tenderer requiring any clarification of the tender documents may notify the Employer in writing or by email at the Employer's address indicated in the invitation to tender. Additionally all the clarifications may be put up during the pre tender meeting.

8.2 **Pre-tender meeting:**

8.2.1 The tenderer or his authorized representative is invited to attend a pre-tender meeting which will take place at Office of the Engineer in Chief, Annex-2 Building, 1st floor, BBMP Head office, Bangalore on 27.02.2024 at 16.30 hrs
8.2.2 The purpose of the meeting will be to clarify issues and to answer questions on any matter that may be raised at that stage
8.2.3 The tenderer is requested to submit any questions in writing or by cable/email to reach the Employer not later than one week before the meeting.
8.2.4 Minutes of the meeting, including the text of the questions raised (without identifying the source of enquiry) and the responses given will be transmitted without delay to all purchasers of the tender documents. Any modification of the tender documents listed in Sub-Clause 7.1 which may become necessary as a result of the pre-tender meeting shall be made by the Employer exclusively through the issue of an Addendum pursuant to Clause 9 and not through the minutes of the pre-tender meeting.
8.2.5 Non-attendance at the pre-tender meeting will not be a cause for disqualification of a tenderer.

9. Amendment of Tender documents

9.1 Before the deadline for submission of tenders, the Employer may modify the tender documents by issuing addenda.
9.2 Any addendum thus issued shall be part of the tender documents and shall be published in the KPPP portal only.
9.3 To give prospective Tenderers reasonable time in which to take an addendum into account in preparing their tenders, the Employer shall extend as necessary the deadline for submission of tenders, in accordance with Sub-Clause 16.2 below.

C. Preparation of Tenders

10. Documents comprising the Tender

10.1 The tender submitted by the Tenderer shall be in two covers and shall contain the documents as follows:

10.1.1 First Cover (Technical Bid):

(a) Earnest Money Deposit;

(b) Qualification Information as per formats given in Section 3;

10.1.2 Second Cover (Financial Bid):

(a) The Tender (in the format indicated in Section 4)

(b) Priced Bill of Quantities (Section 9);

and any other materials required to be completed and submitted by Tenderers in accordance with these instructions. The documents listed under Sections 3, 4, 6 and 9 shall be filled in without exception.

10.2 Deleted.

11. Tender prices

11.1 The contract shall be for the whole works as described in Sub-Clause 1.1, based on the priced Bill of Quantities submitted by the Tenderer.

11.2 The Tenderer shall fill in rates and prices and line item total (both in figures and words) for all items of the Works described in the Bill of Quantities along with total tender price (both in figures and words). **Items for which no rate or price is entered by the Tenderer will not be paid for by the Employer when executed and shall be deemed covered by the other rates and prices in the Bill of Quantities**. Corrections, if any, shall be made by crossing out, initialing, dating and rewriting.

11.3 All duties, taxes, and other levies payable by the contractor under the contract, or for any other cause, shall be included in the rates, prices and total Tender Price submitted by the Tenderer.

11.4 The rates and prices quoted by the Tenderer shall be subject to adjustment during the performance of the Contract in accordance with the provisions of Clause of the Conditions of Contract

12. Tender validity

12.1 Tenders shall remain valid for a period not less than 180 days after the deadline date for tender submission specified in Clause 16. A tender valid for a shorter period shall be rejected by the Employer as non-responsive.

12.2 In exceptional circumstances, prior to expiry of the original time limit, the Employer may request that the Tenderers may extend the period of validity for a specified additional period. The request and the Tenderers' responses shall be made in writing or by cable. A Tenderer may refuse the request without forfeiting his earnest money deposit. A Tenderer agreeing to the request will not be required or permitted to modify his tender, but will be required to extend the validity of his earnest money deposit for a period of the extension, and in compliance with Clause 13 in all respects.

13. Earnest money deposit

13.1 The Tenderer shall furnish, as part of his tender, Earnest Money Deposit (EMD) in the amount asmentioned in IFT for this particular Work. Further, out of the total EMD Amount only **Rs. 1.00 Lakh**(**Rupees One Lakh only**) shall be paid in the KPPP portal using any of the following modesand the Balance Amount shall be in the form of Bank Guarantee from any Nationalized/ ScheduledBank.

- CreditCard.
- DirectDebit.
- NationalElectronicFundTransfer(NEFT).
- OvertheCounter (OTC).

13.2 EMD Amount shall be submitted by the Tenderer taking into account of the following Conditions.

a. EMD for Rs.1.00 Lakh shall be accepted only in the form of Electronic Cash (and not through DemandDraft or BankGuarantee)and will be maintained in the Government's Central Pooling Account at ICICI Bank until the Work is awarded and EMD for the Balance Amount shall be in the Form of Bank Guarantee/FDR from any Nationalized/Scheduled Bank valid for a period of not less than 180 days beyond the Validity of theTender as specified in Clause.

12. The scanned copy of the Bank Guarantee/FDR shall be uploaded with the Technical Bid. Further, the Original Bank Guarantee shall be submitted to the Office of the Executive Engineer Road Infrastructure-Traffic Engineering Cell Division, Bruhat Bengaluru Mahanagara Palike, N.R. Square, Bengaluru–560002 by **13.03.2024 within 16:00 hrs**. Any tenderer no submission of original BG before the last date and time of submission original BG shall be rejected by the employer as non-responsive tender.

b. The Tenderer's Bid will be evaluated only on Confirmation of Receipt of the Payment of EMD as indicated in Sub Clauses 13.1 and 13.2.

13.2 Instruments having fixed validity issued as earnest money deposit for the tender shall be valid for 180 days **beyond** the validity of the tender.

13.3 Any tender not accompanied by an acceptable earnest money deposit and not secured as indicated in Sub-Clauses 13.1 and 13.2 above shall be rejected by the Employer as non-responsive.

13.4 The earnest money deposit of unsuccessful Tenderers will be returned within 30 days of the end of the tender validity period specified in Sub-Clause 12.1.

13.5 The earnest money deposit of the successful Tenderer will be discharged when the Tenderer has signed the Agreement and furnished the required Performance Security.

13.6 The earnest money deposit may be forfeited:

(a) if the Tenderer withdraws the Tender after tender opening during the period of tender validity;

(b) if the Tenderer does not accept the correction of the Tender Price, pursuant to Clause 24; or

(c) in the case of a successful Tenderer, if the Tenderer fails within the specified time limit to

(i) sign the Agreement; or

(ii) furnish the required Security deposit and additional security deposit for unbalanced tenders.

14. Format and signing of Tender

14.1 Deleted.

14.2 Deleted.

14.3 Deleted.

D. Submission of Tenders

15. Sealing and marking of tenders

15.1 The Tenderer shall acess tender documents, fill them and submit the completed tender document through KPPPportal only (https://kppp.karnataka.gov.in). the scanned copy of the required qualification information documents as in Clause 3, EMD and Tender processing fee in the form of e-payment as in Clause 13.1, Form of tender in prescribed form and priced Bill of Quantities shall be attached to the e-tender document, failing which the bid will not be considered.
It is the responsibility of the tenderer to submit all the documents pertaining to Eligibility criteria / Qualification information with due diligence.

15.2 Deleted.

15.3 deleted.

15.4 Deleted.

15.5 No hard copy of any document will be considered at tender stage.

16. Deadline for submission of the Tenders

16.1 Tenders must be received by the Employer no later than the time and date as in KPPP portal.

16.2 The Employer may extend the deadline for submission of tenders by issuing an amendment in accordance with Clause 9, in which case all rights and obligations of the Employer and the Tenderers previously subject to the original deadline will then be subject to the new deadline.

17. Late Tenders

17.1 Any Tenderer trying to submit the tender after the deadline will not be accepted.

18. Modification and Withdrawal of Tenders

18.1 Tenderers may modify contents of tender before the deadline prescribed in Clause 16.

18.2 Tenderers may withdraw their Tenders by cancelling their bid on the portal only before the deadline prescribed in Clause 16.

18.3 No Tender may be modified and withdrawn after the deadline for submission of Tenders.

18.4 Withdrawal or modification of a Tender between the deadline for submission of Tenders and the expiration of the original period of Tender validity specified in Clause 12.1 above or as extended pursuant to Clause 12.2 may result in the forfeiture of the earnest money deposit pursuant to Clause 13.

1 8.5 Tenderers may only offer discounts to, or otherwise modify the prices of their Tenders by submitting Tender modifications in accordance with this clause, or included in the original Tender submission.

E. Tender opening and evaluation

19. Opening of First Cover (Technical Bid)of all Tenders and evaluation to determine qualified Tenderers:

19.1 The Employer will open the First Covers of all the Tenders at the time and date as in KPPP portal, at the office of the Executive Engineer, (RI-TEC Division), Annex -3 Building, BBMP Head Office, N R Square, Bangalore in the presence of the Tenderers or their representatives who choose to attend at 04.30PM. on the date and the place specified in Clause 16. In the event of the specified date of Tender opening being declared a holiday for the Employer, the Tenders will be opened at the appointed time and location on the next working day.

19.2 Deleted.

19.3 Deleted.

19.4 Deleted

19.5 Deleted.

19.6 The Employer will evaluate and determine whether each tender (a) meets the eligibility criteria defined in ITT Clause 2; (b) is accompanied by the required earnest money deposit as per stipulations in ITT Clause and (c) meets the minimum qualification criteria stipulated in ITT Clause 3. The Employer will draw out a list of qualified Tenderers.

20. Opening of Second Cover (Financial Bid) of qualified Tenderers and evaluation:

20.1 The Employer will inform all the Qualified Tenderers the time, date and venue fixed for the opening of the Second Cover containing the priced Tenders. The Employer will open the Second Covers of Qualified Tenderers at the appointed time and date in the presence of the Tenders or their representatives who choose to attend. In the event of the specified date of Second Cover opening being declared a holiday for the Employer, the Second Covers will be opened at the appointed time and location on the next working day.

20.2 Deleted.

20.3 Deleted.

20.4 Deleted.

21. Process to be confidential

21.1 Information relating to the examination, clarification, evaluation, and comparison of Tenders and recommendations for the award of a contract shall not be disclosed to Tenderers or any other persons not officially concerned with such process until the award to the successful Tenderer has been announced. Any effort by a Tenderer to influence the Employer's processing of Tenders or award decisions may result in the rejection of his Tender.

22 Clarification of Tenders

22.1 To assist in the examination, evaluation, and comparison of Tenders, the Employer may, at his discretion, ask any Tenderer for clarification of his Tender, including breakdowns of unit rates. The request for clarification and the response shall be in writing or by cable, but no change in the price or substance of the Tender shall be sought, offered, or permitted except as required to confirm the correction of arithmetic errors discovered by the Employer in the evaluation of the Tenders in accordance with Clause 24.

22.2 Subject to sub-clause 22.1, no Tenderer shall contact the Employer on any matter relating to its Tender from the time of the Tender opening to the time the contract is awarded. If the Tenderer wishes to bring additional information to the notice of the Employer, it should do so in writing.

22.3 Any effort by the Tenderer to influence the Employer in the Employer's Tender evaluation, Tender comparison or contract award decisions may result in the rejection of the Tenderers' Tender.

23. Examination of Tenders and determination of responsiveness

23.1 Prior to the detailed evaluation of Tenders, the Employer will determine whether each Tender; (a) has been properly signed; and; (b) is substantially responsive to the requirements of the Tender documents.

23.2 A substantially responsive Tender is one which conforms to all the terms, conditions, and specifications of the Tender documents, without material deviation or reservation. A material deviation or reservation is one (a) which affects in any substantial way the scope, quality, or performance of the Works; (b) which limits in any substantial way, inconsistent with the Tender documents, the Employer's rights or the Tenderer's obligations under the Contract; or (c) whose rectification would affect unfairly the competitive position of other Tenderers presenting substantially responsive Tenders.

23.3 If a Tender is not substantially responsive, it will be rejected by the Employer, and may not subsequently be made responsive by correction or withdrawal of the nonconforming deviation or reservation.

24. Correction of errors

24.1 Tenders determined to be substantially responsive will be checked by the Employer for any arithmetic errors. Errors will be corrected by the Employer as follows:

(a) where there is a discrepancy between the rates in figures and in words, the lower of the two will govern[1]; and

(b) where there is a discrepancy between the unit rate and the line item total resulting from multiplying the

[1] Clause 25(2) of Chapter VI of KTPP Rules 2000 states that " in case of discrepancy between the price quoted in words and figures, the lower of the two shall be considered".

unit rate by the quantity, the unit rate as quoted will govern.

24.2 The amount stated in the Tender will be adjusted by the Employer in accordance with the above procedure for the correction of errors and, with the concurrence of the Tenderer, shall be considered as binding upon the Tenderer. If the Tenderer does not accept the corrected amount the Tender will be rejected, and the earnest money deposit may be forfeited in accordance with Sub-Clause 13.6 (b).

25. Evaluation and comparison of Tenders

25.1 The Employer will evaluate and compare only the Tenders determined to be substantially responsive in accordance with Clause 23.

25.2 In evaluating the Tenders, the Employer will determine for each Tender the evaluated Tender Price by adjusting the Tender Price as follows:

(a) making any correction for errors pursuant to Clause 24; and

(b) making appropriate adjustments to reflect discounts or other price modifications offered in accordance with Sub Clause 18.5.

25.3 The Employer reserves the right to accept or reject any variation, deviation, or alternative offer. Variations, deviations, and alternative offers and other factors which are in excess of the requirements of the Tender documents or otherwise result in unsolicited benefits for the Employer shall not be taken into account in Tender evaluation.

25.4 The estimated effect of the price adjustment conditions under Clause 41 of the Conditions of Contract, during the implementation of the Contract, will not be taken into account in tender Evaluation

25.5 If the tender of the successful tenderer is seriously unbalanced in relation to the Employer's estimate of the cost of the work to be performed under the contract, the Employer may require the Tenderer to produce detailed price analyses for any or all items of the Bill of Quantities, to demonstrate the internal consistency of those prices with the construction methods and schedule proposed. After evaluation of the price analyses, the Employer may require that the amount of the performance security set forth in Clause 29 be increased at the expense of the successful Tenderer to a level sufficient to protect the Employer against financial loss in the event of default of the successful tenderer under the contract.

F. Award of Contract

26. Award criteria

26.1 Subject to Clause 27, the Employer will award the Contract to the Tenderer whose Tender has been determined to be substantially responsive to the Tender documents and who has offered the lowest evaluated Tender Price, provided that such Tenderer has been determined to be (a) eligible in accordance with the provisions of Clause 2, and (b) qualified in accordance with the provisions of Clause 3.

27. Employer's right to accept any Tender and to reject any or all Tenders

27.1 Notwithstanding Clause 26, the Employer reserves the right to accept or reject any Tender, and to cancel the Tender process and reject all Tenders, at any time prior to the award of Contract, without thereby incurring any liability to the affected Tenderer or Tenderers or any obligation to inform the affected Tenderer or Tenderers of the grounds for the Employer's action.

28. Notification of award and signing of Agreement

28.1 The Tenderer whose Tender has been accepted will be notified of the award by the Employer prior to expiration of the Tender validity period by cable, telex, e-mail or facsimile confirmed by registered letter. This letter (hereinafter and in the *Conditions of Contract* called the "Letter of Acceptance") will state the sum that the Employer will pay the Contractor in consideration of the execution, completion, and maintenance of the Works by the Contractor as prescribed by the Contract (hereinafter and in the Contract called the "Contract Price").

28.2 The notification of award will constitute the formation of the Contract, subject only to the furnishing of Security deposit in accordance with the provisions of Clause 29.

28.3 The Agreement will incorporate all agreements between the Employer and the successful Tenderer. It will be kept ready for signature of the successful Tenderer in the office of Employer within 30 days following the notification of

award along with the Letter of Acceptance. Within 20 days of receipt, the successful Tenderer will sign the Agreement and deliver it to the Employer.

28.4 Upon the furnishing by the successful Tenderer of the Performance Security, the Employer will promptly notify the other Tenderers that their Tenders have been unsuccessful.

29. Security deposit

29.1 Within 20 days of receipt of the Letter of Acceptance, the successful Tenderer shall deliver to the Employer a Security deposit in any of the forms given below for an amount equivalent to 5% of the Contract price plus additional security for unbalanced tenders in accordance with Clause 25.5 of ITT and Clause 44 of the Conditions of Contract for all works. :

- Banker's cheque/Demand draft,/Pay Order in favour of The Chief Commissioner BBMP, Bangalore payable at.Bangalore or
- A Bank Guarantee in the form given in Section 10; or
- Specified Small Savings Instruments pledged to Chief Commissioner BBMP;

29.2 If the security deposit is provided by the successful Tenderer in the form of a Bank Guarantee, it shall be issued either by a Nationalized/Scheduled bank.

29.3 The security deposit if furnished in cash or demand draft can, if requested, be converted to interest bearing securities at the cost of the contractor.

29.4 Failure of the successful Tenderer to comply with the requirements of Sub-Clause 29.1 shall constitute sufficient grounds for cancellation of the award and forfeiture of the Earnest money deposit.

30 Advance Payment and Security:

30.1 The Employer will provide an advance payment on the contract price as stipulated in the Conditions of Contract, subject to the maximum amount as stated in the Contract Data.

31. Corrupt or Fraudulent practices

31.1 The BBMP requires that the Tenderers/Suppliers/Contractors, observe the highest standard of ethics during the procurement and execution of such contracts. In pursuance of this policy, BBMP :

(a) will reject a proposal for award if it determines that the Tenderer recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question;

(b) will declare a firm ineligible, either indefinitely or for a stated period of time, to be awarded a BBMP contract if it at any time determines that the firm has engaged in corrupt or fraudulent practices in competing for, or in executing, a BBMP contract.

31.2 Furthermore, Tenderers shall be aware of the provision stated in sub-clause 50.2 of the Conditions of Contract.

SECTION 3: QUALIFICATION INFORMATION

The information to be filled in by the Tenderer hereunder will be used for purposes of computing Tender capacity as provided for in Clause 3 of the Instructions to Tenderers. This information will not be incorporated in the Contract.

1.1 Constitution or legal status of Tenderer [Attach copy]

Place of Registration _____
(Attach Copy)

Principal place of business: _____

1.2 Total value of civil engineering construction works executed and payments received in the last five years (in Rs. Lakhs) Attach Certificate from Chartered Accountant

2018 - 19 ……..
2019 - 20 ……..
2020 - 21 ……..
2021 - 22 ……..
2022 - 23 ……..

1.3 Work performed as Prime Contractor (in the same name) on works of similar nature over during the five years specified in 1.2 above.

Project Name	Name of Employer	Descrip-tion of Work	Contract Number	Value of Contract Rs. Lakhs	Date of issue of work order	Specified period of completion	Actual date of Actual date of	Remarks explaining reasons for delay in completion of work
1	2	3	4	5	6	7	8	9

1.4 Quantities of work executed as prime contractor (in the same name) during the last five years specified in 1.2 above:

Year	Name of Work	Name of Employer	Quantity of work performed (cum)[2]			Remarks (Indicate contract reference)
2018-19						
2019-20						
2020-21						
2021-22						
2022-23						

[2] Items of work for which data is requested should tally with that specified in ITT Clause 3

1.4 Information on works for which Tenders have been submitted and works which are yet to be completed as on the date of this Tender.

(A) Existing commitments and on-going works:

Description of Work	Place & State	Contract No. & Date	Name And Address of Employer	Value of Contract (Rs. lakhs)	Stipulated period of completion	Value of works remaining to be completed (Rs. lakhs) Attach Certificates from Engineers –in- Charge	Anticipated date of completion
1	2	3	4	5	6	7	8

(B) Works for which Tenders already submitted:

Description of Work	Place & State	Name and Address of Employer	Estimated value of works (Rs. lakhs)	Stipulated period of completion	Date when decision is expected	Remarks if any
1	2	3	4	5	6	7

1.6. The following items of equipment are considered essential for successfully carrying out the works. The Tenderer should furnish all the information listed below.

Item of Equipment	Requirement[3]		Owned	Owned and available		
	No.	Capacity		Number/ Capacity	Age/ condition	Remarks

1.7 Reports on the financial standing of the tenderer, such as profit and loss statements and auditor's reports for the last five years;

1.8 Qualification and experience of the key technical and management personnel in permanent employment with the tenderer and those that are proposed to be deployed on this contract, if awarded.

1.9. Name, address, and telephone, telex, and fax numbers of the Tenderers' bankers who may provide references if contacted by the Employer.

1.10 Evidence of access to financial resources to meet the qualification requirement specified in ITT Clause3.3 (b): Cash in hand, Letter of Credit etc. List them below and attach certificate from the Banker in the suggested format as under:

[3] The item of equipment, required number and capacity should match with those specified in ITT Clause 3.3 (a)

BANKER'S CERTIFICATE

This is to certify that M/s. …….. is a reputed company with a good financial standing. If the contract for this work, namely **Widening of Dr. B.R. Ambedkar Veedhi Road from Karnataka Secretariat Club road (Cubbon Park gate) to BESCOM Corporate Office including Realigning of Existing Underpass at K.R. Circle in BBMP** (*name of the work)* is awarded to the above firm, we shall be able to provide overdraft/credit facilities to the extent of Rs. ……. to meet the working capital requirements for executing the above contract

Name of the Bank, Senior Bank Manger with Signature
Address:……..

1.11 Proposals for subcontracting components of works amounting to more than 20% of the contract price .

Item of Work	Value of Sub-Contract	Identified Sub-Contractor (Name and address)	Experience of similar work (Attach certificates from the respective Employers.)
1	2	3	4

1.12 Information on litigations in which the Tenderer is involved:

Other Party (ies)	Employer	Details of dispute	Amount involved	Remarks showing present status

1.13 The proposed methodology and program of construction, backed with equipment planning and deployment, duly supported with broad calculations and quality control procedures proposed to be adopted, justifying their capability of execution and completion of the work as per technical specifications within the stipulated period of completion as per milestones.

SECTION 4: FORMS OF TENDER, LETTER OF ACEPTANCE, NOTICE TO PROCEED WITH THE WORK AND AGREEMENT FORM

Form of Tender

Description of the Works **Widening of Dr. B.R. Ambedkar Veedhi Road from Karnataka Secretariat Club road (Cubbon Park gate) to BESCOM Corporate Office including Realigning of Existing Underpass at K.R. Circle in BBMP**

Tender

To : ……..

Address ……..
……
(To be filled in by the Employer before issue of the Tender document)

GENTLEMEN,

We offer to execute the Works described above in accordance with the Conditions of Contract accompanying this Tender for the Contract Price of …….. *[in figures] (*……..) *[in letters]*.[4]

This Tender and your written acceptance of it shall constitute a binding contract between us. We understand that you are not bound to accept the lowest or any Tender you receive.

The advance payment required is Rs……..

We undertake that, in competing for (and, if the award is made to us, in executing) the above contract, we will strictly observe the laws against fraud and corruption in force in India namely "Prevention of Corruption Act 1988".

We hereby confirm that this Tender complies with the Tender validity and Earnest money deposit required by the Tender documents.

We attach herewith our current income-tax clearance certificate.

Yours faithfully,

Authorized Signature:

Name & Title of Signatory: _____

Name of Tenderer _____
Address:----------
---

[4] To be filled in by the Tenderer, together with his particulars and date of submission at the bottom of the Form of Tender

Letter of Acceptance

(letterhead paper of the Employer)

……..[date]

To:

……

……..[name and address of the Contractor]

Dear Sirs,

This is to notify you that your Tender dated …… for execution of the ……
…….. *[name of the contract and identification number, as given in the Instructions to Tenderers]* for the Contract Price of Rupees ……
…… (……) [amount in words and figures], as corrected and modified in accordance with the Instructions to Tenderers is hereby accepted by our Agency.

You are hereby requested to furnish Security deposit plus additional security for unbalanced tenders in terms of Clause 25.5 of ITT, in the form detailed in Clause 29.1 of ITT for an amount of Rs…….. within 20 days of the receipt of this letter of acceptance valid up to 30 days from the date of expiry of Defects Liability Period i.e. up to ..... and sign the contract, failing which action as stated in Para 29.4 of ITT will be taken.

Yours faithfully,

Authorized Signature

Name and Title of Signatory

Name of Agency

Issue of Notice to proceed with the work

(letterhead of the Employer)

……..(date)

To

……

……

…… (name and address of the Contractor)

Dear Sirs:

Pursuant to your furnishing the requisite security deposit as stipulated in ITT Clause 29.1 and signing of the contract agreement for the construction of …….. (name of the work) a Tender Price of Rs…….. , you are hereby instructed to proceed with the execution of the said works in accordance with the contract documents.

Yours faithfully,

(Signature, name and title of signatory
authorized to sign on behalf of Employer)

Agreement Form

Agreement

This agreement, made the ……day of ……20……., between……
……[name and address of Employer]
(hereinafter called "the Employer") of the one part and ……
……..[name and address of contractor] (hereinafter called "the Contractor") of the other part.

Whereas the Employer is desirous that the Contractor execute ……..
……
……[name and identification number of Contract] (hereinafter called "the Works") and the Employer has accepted the Tender by the Contractor for the execution and completion of such Works and the remedying of any defects therein at a contract price of Rupees.....

NOW THIS AGREEMENT WITNESSETH as follows:

1. In this Agreement, words and expression shall have the same meanings as are respectively assigned to them in the Conditions of Contract hereinafter referred to, and they shall be deemed to form and be read and construed as part of this Agreement.
2. In consideration of the payments to be made by the Employer to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the Employer to execute and complete the Works and remedy any defects therein in conformity in all aspects with the provisions of the Contract.
3. The Employer hereby covenants to pay the Contractor in consideration of the execution and completion of the Works and the remedying the defects wherein the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.
4. The following documents shall be deemed to form and be read and construed as part of this Agreement, viz:
   i) Letter of Acceptance;
   ii) Notice to proceed with the works;
   iii) Contractor's Tender;
   iv) Contract Data;
   v) Conditions of contract (including Special Conditions of Contract);
   vi) Specifications;
   vii) Drawings;
   viii) Bill of Quantities; and
   ix) Any other document listed in the Contract Data as forming part of the contract.

In witness whereof the parties thereto have caused this Agreement to be executed the day and year first before written.

The Common Seal of ……
……
was hereunto affixed in the presence of:
Signed, Sealed and Delivered by the said
……
……

in the presence of:
Binding Signature of Employer
……
Binding Signature of Contractor
……..

SECTION 5: CONDITIONS OF CONTRACT

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Conditions of Contract

A. General

1. Definitions

1.1 Terms which are defined in the Contract Data are not also defined in the Conditions of Contract but keep their defined meanings. Bold letters are used to identify defined terms.

Bill of Quantities means the priced and completed Bill of Quantities forming part of the Tender.
Compensation events are those defined in Clause 38 hereunder.
The **Completion Date** is the date of completion of the Works as certified by the Employer in accordance with Sub Clause 46.1.
The **Contract** is the contract between the Employer and the Contractor to execute, complete and maintain the Works. It consists of the documents listed in Clause 2.2 below.
The **Contract Data** defines the documents and other information which comprise the Contract.
The **Contractor** is a person or corporate body whose Tender to carry out the Works has been accepted by the Employer.
The **Contractor's Tender** is the completed Tender document submitted by the Contractor to the Employer.
The **Contract price** is the price stated in the Letter of Acceptance and thereafter as adjusted in accordance with the provisions of the Contract.
Days are calendar days; **months** are calendar months.
A **Defect** is any part of the Works not completed in accordance with the Contract.
The **Defects liability period** is the period named in the Contract Data and calculated from the Completion Date.
The **Employer** is the party who will employ the Contractor to carry out the Works.
Equipment is the Contractor's machinery and vehicles brought temporarily to the Site to construct the Works.
The **Initial Contract price** is the Contract Price listed in the Employer's Letter of Acceptance.
The **Intended Completion Date** is the date on which it is intended that the Contractor shall complete the Works. The Intended Completion Date is specified in the Contract Data. The Intended Completion Date may be revised only by the Employer by issuing an extension of time.
Materials are all supplies, including consumables, used by the contractor for incorporation in the Works.
Plant is any integral part of the Works which is to have a mechanical, electrical, electronic or chemical or biological function.
The **Site** is the area defined as such in the Contract Data.
Specification means the Specification of the Works included in the Contract and any modification or addition made or approved by the Employer.
The **Start Date** is given in the Contract Data. It is the date when the Contractor shall commence execution of the

works. It does not necessarily coincide with any of the Site Possession Dates.
A **Subcontractor** is a person or corporate body who has a Contract with the Contractor to carry out a part of the work in the Contract which includes work on the Site.
A **Variation** is an instruction given by the Employer which varies the Works.
The **Works** are what the Contract requires the Contractor to construct, install, and turn over to the Employer, as defined in the Contract Data.

2. Interpretation

2.1 In interpreting these Conditions of Contract, singular also means plural, male also means female or neuter, and t he other way around. Headings have no significance. Words have their normal meaning under the language of the Contract unless specifically defined. The Employer will provide instructions clarifying queries about the Conditions of Contract.

2.2 The documents forming the Contract shall be interpreted in the following order of priority:

(1) Agreement
(2) Letter of Acceptance, notice to proceed with the works
(3) Contractor's Tender
(4) Contract Data
(5) Conditions of Contract
(6) Specifications
(7) Drawings
(8) Bill of quantities and
(9) any other document listed in the Contract Data as forming part of the Contract.

3. Law governing contract

3.1 The law governing the Contract is the Laws of India supplanted by the Karnataka Local Acts.

4. Employer's decisions

4.1 Except where otherwise specifically stated, the Employer will decide contractual matters between the Employer and the Contractor.

5. Delegation

5.1 The Employer may delegate any of his duties and responsibilities to other people after notifying the Contractor and may cancel any delegation after notifying the Contractor.

6. Communications

6.1 Communications between parties which are referred to in the conditions are effective only when in writing. A notice shall be effective only when it is delivered (in terms of Indian Contract Act).

7. Subcontracting (Deleted)

7.1 Deleted.

8. Other Contractors

8.1 The Contractor shall cooperate and share the Site with other contractors, public authorities, utilities, and the Employer.

9. Personnel

9.1 The Contractor shall employ the technical personnel (of number and qualifications) as may be stipulated by GOK from time to time during the execution of the work. The technical staff so employed shall be available at site as may be stipulated by the Employer.

9.2 If the Employer asks the Contractor to remove a person who is a member of the Contractor's staff or his work force stating the reasons, the Contractor shall ensure that the person leaves the Site within seven days and has no further connection with the work in the Contract.

10. Employer's and Contractor's risks

10.1 The Employer carries the risks which this Contract states are Employer's risks, and the Contractor carries the risks which this Contract states are Contractor's risks.

11. Employer's risks

11.1 The Employer is responsible for the excepted risks which are:

(a) rebellion, riot commotion or disorder unless solely restricted to employees of the Contractor or his Sub-Contractors arising from the conduct of the Works; or

(b) a cause due solely to the design of the Works, other than the Contractor's design; or

(c) any operation of the forces of nature (in so far as it occurs on the Site) which an experienced contractor:

(i) could not have reasonably foreseen; or

(ii) could reasonably have foreseen, but against which he could not reasonably have taken at least one of the following measures;

(A) prevent loss or damage to physical property from occurring by taking appropriate measures or

(B) insure against such loss or damage

12. Contractor's risks

12.1 All risks of loss of or damage to physical property and of personal injury and death which arise during and in consequence of the performance of the Contract other than the excepted risks are the responsibility of the Contractor.

13. Insurance:

13.1 The Contractor shall prior to commencing the works, effect and thereafter maintain insurances , in the joint names of the Employer and the Contractor, (cover from the first working day after the Start Date to the end of Defects Liability Period), in the amounts stated in the Contract Data :

(a) for loss of or damage to the Works, Plants and Materials and the Contractor's equipment;

(b) for liability of both Parties for loss, damage, death and injury to third parties or their property arising out of the Contractor's performance of the Contract including the Contractor's liability for damage to the Employer's property other than the Works and

(c) for liability of both Parties and of any Employer's representative for death and injury to the Contractor's personnel except to the extent that liability arises from the negligence of the Employer, any Employer's representative or their Employees.

13.2 Policies and certificates for insurance shall be delivered by the Contractor to the Employer for his approval before the Start Date. All such insurance shall provide for compensation to be payable to rectify the loss or damage incurred. All payments received from insurers relating to loss or damage shall be held jointly by the Parties and used for the repair of the loss or damage or as compensation for loss or damage that is not to be repaired.

13.3 If the Contractor fails to effect or keep in force any of the insurances referred to in the previous sub-clauses or fails to provide satisfactory evidence, policies or receipts, the Employer may without prejudice to any other right or remedy, effect insurance for the cover relevant to such default and pay the premiums due and recover the same as a deduction from any other monies due to the Contractor. If no payments is due, the payment of the premiums shall be a debt due.

13.4 Alterations to the terms of an insurance shall not be made without the approval of the Employer.

13.5 Both Parties shall comply with any conditions of the insurance policies.

14. Site Investigation Reports:

14.1 The Contractor, in preparing the tender, shall rely on any site investigation reports referred to in the Contract data, supplemented by any information available to the Tenderer.

15. Queries about the Contract Data

15.1 The Employer will clarify queries on the Contract Data.

16. Contractor to construct the Works

16.1 The Contractor shall construct the Works in accordance with the Specification and Drawings.

17. The Works to be completed by the Intended Completion Date

17.1 The Contractor may commence execution of the Works on the Start Date and shall carry out the Works in accordance with the program submitted by the Contractor, as updated with the approval of the Employer, and complete them by the Intended Completion Date.

18. Approval by the Employer:

18.1 The Contractor shall submit Specification and drawings showing the proposed Temporary Works to the Employer, who is to approve them if they comply with the Specifications and Drawings.
18.2 The Contractor shall be responsible for the design of Temporary Works
18.3 The Employer's approval shall not alter the Contractor's responsibility for design of the Temporary Works.
18.4 The Contractor shall obtain approval of third parties to the design of third parties to the design of the temporary Works where required.
18.5 All Drawings prepared by the Contractor for the execution of the temporary or permanent Works, are subject to prior approval by the Employer before their use.

19. Safety

19.1 The Contractor shall be responsible for the safety of all activities on the Site.

20. Discoveries

20..1 Anything of historical or other interest or of significant value unexpectedly discovered on the Site is the property of the Employer. The Contractor is to notify the Employer of such discoveries and carry out the Employer's instructions for dealing with them.

21. Possession of the Site

21.1 The Employer shall give possession of all parts of the Site to the Contractor. If possession of a part is not given by the date stated in the Contract Data the Employer is deemed to have delayed the start of the relevant activities and this will be Compensation Event.

22. Access to the Site

22.1 The Contractor shall allow the Employer and any person authorized by the Employer access to the Site, to any place where work in connection with the Contract is being carried out or is intended to be carried out and to any place where materials or plant are being manufactured / fabricated / assembled for the works.

23. Instructions

23.1 The Contractor shall carry out all instructions of the Employer which comply with the applicable laws where the Site is located.

24. Procedure for resolution of Disputes:

24.1 If the Contractor is not satisfied with the decision taken by the Employer, the dispute shall be referred by either party to Arbitration within 30 days of the notification of the Employer's decision.

24.2 If neither party refers the dispute to Arbitration within the above 30 days, the Employer's decision will be final and binding.

24.3 The Arbitration shall be conducted in accordance with the arbitration procedure stated in the Special Conditions of Contract.

B. Time Control

25. Program

25.1 Within the time stated in the Contract Data the Contractor shall submit to the Employer for approval a Program showing the general methods, arrangements, order, and timing for all the activities in the Works.

25.2 The Employer's approval of the Program shall not alter the Contractor's obligations. The Contractor may revise the Program and submit it to the Employer again at any time. A revised Program is to show the effect of Variations and Compensation Events.

26. Extension of the Intended Completion Date

26.1 The Employer shall extend the Intended Completion Date if a Compensation Event occurs or a Variation is issued which makes it impossible for Completion to be achieved by the Intended Completion Date.

26.2 The Employer shall decide whether and by how much to extend the Intended Completion Date within 21 days of the Contractor asking the Employer for a decision upon the effect of a Compensation Event or Variation and submitting full supporting information.

27. Delays ordered by the Employer

27.1 The Employer may instruct the Contractor to delay the start or progress of any activity within the Works.

28. Management meetings

28.1 The Employer may require the Contractor to attend a management meeting. The business of a management meeting shall be to review the progress achieved and the plans for remaining work.

28.2 The responsibility of the parties for actions to be taken is to be decided by the Employer either at the management meeting or after the management meeting and stated in writing to be distributed to all who attended the meeting.

C. Quality Control

29. Identifying defects

29.1 The Employer shall check the Contractor's work and notify the Contractor of any Defects that are found. Such checking shall not affect the Contractor's responsibilities. The Employer may instruct the Contractor to search for a Defect and to uncover and test any work that the Employer considers may have a Defect

30. Tests

30.1 If the Employer instructs the Contractor to carry out a test not specified in the Specification to check whether any work has a Defect and the test shows that it does, the Contractor shall pay for the test and any samples. If there is no Defect the test shall be a Compensation Event.

31. Correction of defects

31.1 The Employer shall give notice to the Contractor of any Defects before the end of the Defects Liability Period, which begins at Completion and is defined in the Contract Data. The Defects Liability Period shall be extended for as long as Defects remain to be corrected.

31.2 Every time notice of a Defect is given, the Contractor shall correct the notified Defect within the length of time specified by the Employer's notice.

32. Uncorrected defects

32.1 If the Contractor has not corrected a Defect within the time specified in the Employer's notice, the Employer will assess the cost of having the Defect corrected, and the Contractor will pay this amount.

D. Cost Control

33. Bill of Quantities (BOQ)

33.1 The BOQ shall contain items for the construction, installation, testing, and commissioning work to be done by the Contractor.

33.2 The BOQ is used to calculate the Contract Price. The Contractor is paid for the quantity of the work done at the rate in the BOQ for each item

34. Variations

34.1 The Employer shall have power to order the Contractor to do any or all of the following as considered necessary or advisable during the progress of the work by him

(a) Increase or decrease of any item of work included in the Bill of Quantities (BOQ);
(b) Omit any item of work;
(c) Change the character or quality or kind of any item of work;
(d) Change the levels, lines, positions and dimensions of any part of the work;
(e) Execute additional items of work of any kind necessary for the completion of the works; and
(f) Change in any specified sequence, methods or timing of construction of any part of the work.

34.2 The Contractor shall be bound to carry out the work in accordance with any instructions in this connection, which may be given to him in writing by the Employer and such alteration shall not vitiate or invalidate the contract.

34.3 Variations shall not be made by the Contractor without an order in writing by the Employer, provided that no order in writing shall be required for increase or decrease in the quantity of an item appearing in the BOQ so long as the work executed conforms to the approved drawings.

34.4 The Contractor shall promptly request in writing to the Employer to confirm verbal orders and the officer issuing oral instructions shall confirm it in writing within 30 days, failing which the work shall be carried out as though there is no variation. In case variation is approved it shall be accompanied by BOQ, failing which the contractor shall be responsible for deviation if any. Further, approval of Govt. / BBMP has to be obtained for the variation exceeding 5%.

35. Payments for Variations

35.1 Payment for increase in the quantities of an item in the BOQ up to 25% of that provided in the Bill of Quantities shall be made at the rates quoted by the Contractor.

35.2 For quantities in excess of 125% of the tendered quantity of an item as given in the BOQ, the Contractor shall be paid at the rate entered in or derived from in the Schedule of Rates (applicable for the area of the work and current at the time of award of contract) plus or minus the overall percentage of the original tendered rates over the current Schedule of Rates prevalent at the time of award of contract.

35.3 If there is no rate for the additional, substituted or altered item of the work in the BOQ, efforts would be made to derive the rates from those given in the BOQ or the Schedule of Rates (applicable for the area of the work and current at the time of award of contract) and if found feasible the payment would be made at the derived rate for the item plus or minus the overall percentage of the original tendered rates over the current Schedule of Rates prevalent at the time of award of contract

35.4 If the rates for additional, substituted or altered item of work cannot be determined either as at 35.1 or 35.2 or 35.3 above, the Contractor shall be requested to submit his quotation for the items supported by analysis of the rate or rates claimed, within 7 days.

35.5 If the Contractor's quotation is determined unreasonable, the Employer may order the Variation and make a change to the Contract Price which shall be based on Employer's own forecast of the effects of the Variation on the Contractor's costs.

35.6 If the Employer decides that the urgency of varying the work would prevent a quotation being given and considered without delaying the work, no quotation shall be given and the Variation shall be treated as a Compensation Event.

35.7 Under no circumstances the Contractor shall suspend the work on the plea of non-settlement of rates for items falling under this Clause.

36. Submission of bills for payment

36.1 The Contractor shall submit to the Employer monthly bills of the value of the work completed less the cumulative amount paid previously.

36.2 The Employer shall check the Contractor's bill and determine the value of the work executed which shall comprise of (i) value of the quantities of the items in the BOQ completed and (ii) valuation of Variations and Compensation Events.

36.3 The Employer may exclude any item paid in a previous bill or reduce the proportion of any item previously paid in the light of later information.

37. Payments

37.1 Payments shall be adjusted for deductions for advance payments other than recoveries in terms of contract and taxes, at source, as applicable under the law. The Employer shall pay the Contractor the within 60 days of submission of bill. The contractor shall be liable to pay liquidated damages for shortfall in progress. For progress beyond the agreed programme payment is subject to availability of the grants.

37.2 Items of the Works for which no rate or price has been entered in will not be paid for by the Employer and shall be deemed covered by other rates and prices in the Contract.

38. Compensation events

38.1 The following are Compensation events unless they are caused by the Contractor:

(a) The Employer does not give access to a part of the Site by the Site Possession Date stated in the Contract Data.
(b) The Employer orders a delay or does not issue drawings, specifications or instructions required for execution of works on time.
(c) The Employer instructs the Contractor to uncover or to carry out additional tests upon work which is then found to have no Defects.
(d) The Employer gives an instruction for dealing with an unforeseen condition, caused by the Employer, or additional work required for safety or other reasons.
(e) The effect on the Contractor of any of the Employer's Risks.
(f) The Employer unreasonably delays issuing a Certificate of Completion.
(g) Other Compensation Events listed in the Contract Data or mentioned in the Contract.

38.2 If a Compensation Event would cause additional cost or would prevent the work being completed before the Intended Completion Date, the Contract Price shall be increased and/or the Intended Completion Date is extended. The Employer shall decide whether and by how much the Contract Price shall be increased and whether and by how much the Intended Completion Date shall be extended.

38.3 As soon as information demonstrating the effect of each Compensation event upon the Contractor's forecast cost has been provided by the Contractor, it is to be assessed by the Employer and the Contract Price shall be adjusted accordingly. If the Contractor's forecast is deemed unreasonable, the Employer shall adjust the Contract Price based on Employer's own forecast. The Employer will assume that the Contractor will react competently and promptly to the event.

38.4 The Contractor shall not be entitled to compensation to the extent that the Employer's interests are adversely affected by the Contractor not having given early warning or not having cooperated with the Employer.

39. Tax

39.1 The rates quoted by the Contractor shall be deemed to be Exclusive of the GST and the Contractor will have to pay for the performance of this Contract. The Employer will perform such duties in regard to the deduction of such taxes at source as per applicable law.

40. Price Adjustment:

40.1 Price adjustment clause is applicable for the works wherein the contract period exceeds 12 months . The contract price shall be adjusted for increase or decrease in rates and prices of labour, materials, fuels and lubricants in accordance with the following principles and procedures and as per formulae given in the Contract Data and as per GOK order FD 59 Pro Cell 2004, Bengaluru dated 26th November 2004 ,FD 3 PCL 2008 Bangalore, dated 21-11-2008 and subsequent amendments or clarifications issued from time to time.

(a) The price Adjustment shall apply for the work done from the date of commencement up to the end of original period of completion or extensions granted by the Employer and shall not apply to work carried out beyond the stipulated period of completion for reasons attributable to the Contractor;

(b) Price Adjustment shall be admissible from the date of opening of tenders (original or extended)

(c) The price adjustment shall be determined during each quarter from the formulae given in Contract Data.

(d) Following expressions and meanings are assigned to the work done during the quarter:

R = Total value of work done during the quarter. It will exclude value for works executed under variations for which price adjustment (if any) will be worked out separately based on the terms mutually agreed.

40.2 To the extent that full compensation for any rise or fall in costs to the contractor is not covered by the provisions of this or other Clauses in the Contract, the unit rates included in the contract shall be deemed to include amounts to cover the contingency of such other rise or fall in costs

40.3 Star Rates Adjustment

a) If the period of execution is more than 6 months but less than or equal to 12 months for work costing more than Rs.50 lakhs, star rates in respect of specified materials (cement, steel and bitumen) only shall be payable to the contractor based on the all India average wholesale price index for the said materials. The star rates adjustment shall be as per the increase or decrease in the index as applied to the said materials between the last date for receiving bids and the date of execution as per the approved programme of works submitted by the contractor at the time of execution of agreement which shall mandatorily be a part of the agreement.

b) If the period of execution is less than or equal to 6 months, for all works irrespective of the cost of the works, price adjustment or star rates shall not be applicable.

c) In works contracts where price adjustment clause is provided, the price adjustment shall be admissible from the date of opening of tenders (Original or extended)Contract price shall be adjusted for increase or decrease in rates and prices of bitumen/Cement/Steel in accordance with the principles and procedure and as per formulae given in the contract data.

41. Liquidated damages

41.1 The Contractor shall pay liquidated damages to the Employer at the rate per day stated in the Contract Data for each day that the Completion Date is later than the Intended Completion Date (for the whole of the works or the milestone as stated in the Contract Data). The total amount of liquidated damages shall not exceed the amount defined in the Contract Data. The Employer may deduct liquidated damages from payments due to the Contractor. Payment of liquidated damages does not affect the Contractor's liabilities.

41.2 If the Intended Completion Date is extended after liquidated damages have been paid, the Employer shall correct any overpayment of liquidated damages by the Contractor by adjusting the next payment of bill.

42. Advance Payments:

42.1 The Employer shall make payment to the Contractor of the amounts stated in the Contract Data by the date stated in the Contract Data, against provision by the Contractor of an unconditional bank guarantee in a form acceptable to the Employer issued by a Nationalized/Scheduled Bank in amounts equal to the advance payment. The guarantee shall remain effective until the advance payment has been repaid, but the amount of the guarantee shall be progressively reduced by the amounts repaid by the Contractor. Interest will not be charged on the advance payment.

42.2 The Contractor is to use the advance payment only to pay for Mobilization expenses required specifically for execution of the Works. The Contractor shall demonstrate that advance payment has been used in this way by supplying copies of invoices or other documents to the Employer.

42.3 The advance payment shall be repaid by deducting proportionate amounts from payments otherwise due to the Contractor, following the schedule of completed percentages of the Works on a payment basis. No account shall be taken of the advance payment or its repayment in assessing valuation of the work done, variations, price adjustments, compensation events or liquidated damages.

43. Securities:

43.1 The Security deposit (including additional security for unbalanced tenders) shall be provided to the Employer no later than the date specified in the Letter of Acceptance and shall be issued in an amount and form and type of instrument acceptable to the Employer. The Security deposit shall be valid until a date 30 days from the date of expiry of Defects Liability Period and the additional security for unbalanced tenders shall be valid until a date 30 days from the date of issue of the certificate of completion.

44. Cost of Repairs:

44.1 Loss or damage to the Works or Materials to be incorporated in the Works between the Start Date and the end of the Defects Correction periods shall be remedied by the Contractor at the Contractor's cost if the loss or damage arises from the Contractor's acts or omissions.

E. Finishing the Contract

45. Completion

45.1 The Contractor shall request the Employer to issue a Certificate of Completion of the Works and the Employer will do so upon deciding that the Work is completed.

46. Taking over

46.1 The Employer shall take over the Site and the Works within seven days of issuing a certificate of Completion.

47. Final account

47.1 The Contractor shall supply to the Employer a detailed account of the total amount that the Contractor considers payable under the Contract before the end of the Defects Liability Period. The Employer shall issue a Defect Liability Certificate and certify any final payment that is due to the Contractor within 90 days of receiving the Contractor's account if it is correct and complete. If it is not, the Employer shall issue within 90 days a schedule

that states the scope of the corrections or additions that are necessary. If the Final Account is still unsatisfactory after it has been resubmitted, the Employer shall decide on the amount payable to the Contractor and make payment within 60 days of receiving the Contractor's revised account.

48. As built drawings and /or Operating and Maintenance Manuals

48.1 If "as built"(*Completion drawings*) Drawings and/or operating and maintenance manuals are required, the Contractor shall supply them by the dates stated in the Contract Data.

48.2 If the Contractor does not supply the Drawings by the dates stated in the Contract Data, or they do not receive the Employer's approval, the Employer shall withhold the amount stated in the Contract Data from payments due to the Contractor.

49. Termination

49.1 The Employer may terminate the Contract if the other party causes a fundamental breach of the Contract.

49.2 Fundamental breaches of Contract include, but shall not be limited to the following:

(a) the Contractor stops work for 45 days when no stoppage of work is shown on the current Program and the stoppage has not been authorized by the Employer;

(b) Deleted.

(c) The Contractor becomes bankrupt or goes into liquidation other than for a reconstruction or amalgamation;

(d) Deleted.

(e) the Employer gives Notice that failure to correct a particular Defect is a fundamental breach of Contract and the Contractor fails to correct it within a reasonable period of time determined by the Employer;

(f) the Contractor does not maintain a security which is required;

(g) the Contractor has delayed the completion of works by the number of days for which the maximum amount of liquidated damages can be paid as defined in the Contract data; and

(h) if the Contractor, in the judgment of the Employer has engaged in corrupt or fraudulent practices in competing for or in the executing the Contract.

For the purpose of this paragraph : "corrupt practice" means the offering, giving, receiving or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution. "Fraudulent practice" means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Borrower, and includes collusive practice among Tenderers (prior to or after Tender submission) designed to establish Tender prices at artificial non-competitive levels and to deprive the Borrower of the benefits of free and open competition."

49.3 When either party to the Contract gives notice of a breach of contract to the Employer for a cause other than those listed under Sub Clause 49.2 above, the Employer shall decide whether the breach is fundamental or not.

49.4 Notwithstanding the above, the Employer may terminate the Contract for convenience.

49.5 If the Contract is terminated the Contractor shall stop work immediately, make the Site safe and secure and leave the Site as soon as reasonably possible.

50. Payment upon Termination

50.1 If the Contract is terminated because of a fundamental breach of Contract by the Contractor, the Employer shall prepare bill for the value of the work done less advance payments received up to the date of the bill, less other recoveries due in terms of the contract, less taxes due to be deducted at source as per applicable law and less the percentage to apply to the work not completed as indicated in the Contract Data. Additional Liquidated Damages shall not apply. If the total amount due to the Employer exceeds any payment due to the Contractor the difference shall be a debt payable to the Employer.

50.2 If the Contract is terminated at the Employer's convenience or because of a fundamental breach of Contract by the Employer, the Employer shall prepare bill for the value of the work done, the reasonable cost of removal of Equipment, repatriation of the Contractor's personnel employed solely on the Works, and the Contractor's costs of protecting and securing the Works and less advance payments received up to the date of the certificate, less other

recoveries due in terms of the contract, and less taxes due to be deducted at source as per applicable law and make payment accordingly.

51. Property

51.1 All materials on the Site, Plant, Equipment, Temporary Works and Works are deemed to be the property of the Employer, if the Contract is terminated because of a Contractor's default.

52. Release from performance

52.1 If the Contract is frustrated by any event entirely outside the control of either the Employer or the Contractor the Employer shall certify that the Contract has been frustrated. The Contractor shall make the Site safe and stop work as quickly as possible after receiving this certificate and shall be paid for all work carried out before receiving it and for any work carried out afterwards to which commitment was made

F. Special Conditions of Contract

1. Labour :

The Contractor shall, unless otherwise provided in the Contract, make his own arrangements for the engagement of all staff and labour, local or other, and for their payment, housing, feeding and transport.

The Contractor shall, if required by the Employer, deliver to the Employer a return in detail, in such form and at such intervals as the Employer may prescribe, showing the staff and the numbers of the several classes of labour from time to time employed by the Contractor on the Site and such other information as the Employer may require.

2. Compliance with labour regulations :

During continuance of the contract, the Contractor shall abide at all times by all existing labour enactments and rules made there under, regulations, notifications and bye laws of the State or Central Government or local authority and any other labour law (including rules), regulations, bye laws that may be passed or notification that may be issued under any labour law in future either by the State or the Central Government or the local authority. The Contractor shall keep the Employer indemnified in case any action is taken against the Employer by the competent authority on account of contravention of any of the provisions of any Act or rules made there under, regulations or notifications including amendments. If the Employer is caused to pay or reimburse, such amounts as may be necessary to cause or observe, or for non-observance of the provisions stipulated in the notifications/bye laws/Acts/Rules/regulations including amendments, if any, on the part of the Contractor, Employer shall have the right to deduct any money due to the Contractor including his amount of security deposit. The Employer shall also have right to recover from the Contractor any sum required or estimated to be required for making good the loss or damage suffered by the Employer.

The employees of the Contractor in no case shall be treated as the employees of the Employer at any point of time.

3. Protection of Environment:

The contractor shall take all reasonable steps to protect the environment on and off the Site and to avoid damage or nuisance to persons or to property of the public or others resulting from pollution, noise or other causes arising as a consequence of his methods of operation. During continuance of the contract, the contractor shall abide at all times by all existing enactments on environmental protection and rules made there under, regulations, notifications and bye-laws of the State or Central Government, or local authorities and any other law, bye-law, regulations that may be passed or notification that may be issued in this respect in future by the State or Central Government or the local authority.

4. Arbitration (Clause 24)

4.1 The procedure for arbitration shall be as follows:

(a) In case of dispute or difference arising between the Employer and the Contractor relating to any matter arising out of or connected with this agreement it shall be settled in accordance with the Arbitration and Conciliation Act 1996. The disputes or differences shall be referred to a Sole Arbitrator. The Sole Arbitrator shall be appointed by agreement between the parties; failing such agreement, by the Appointing Authority (any one of the Organizations as per list enclosed in Annexure)
(b) Arbitration proceedings shall be held at……., Karnataka state (to be filled in by the Employer before issue of the Tender Documents),
(c) The cost and expenses of arbitration proceedings will be paid as determined by the Arbitrator. However the expenses incurred by each party in connection with the preparation, presentation, etc., shall be borne by each party itself.
(d) Performance under the contract shall continue during the arbitration proceedings and payments due the Contractor by the Employer shall not be withheld, unless they are the subject matter of the arbitration proceedings.

5. In the case of the death of a Contractor after executing the agreement / commencement of the work, his legal heir, if an eligible registered Contractor and willing can execute and complete the work at the accepted tender rates irrespective of the cost of the work.

6. The Contractor shall produce invoice for procurement of Bitumen along with work bills. No payments will be made without such invoices.

7. Mix Designs for Concrete and Asphalt work shall be got approved by Chief Engineer before commencement of Work.

8. The Contractor shall execute the work in minimum Three shifts (Day & Night) for speedy completion of work and to minimize inconvenience to public.

9. The Contractor should have his own laboratory facilities for Quality Control / Quality Assurance of the whole work.

10. Tenderer should have Registered with EPF and EIS authorities; certification should be produced at the time of tendering OR else before entering in to the Agreement.

[Add other Clauses specific to the work for which tenders are invited.]

Annexure:

LIST OF ORGANIZATIONS WHO ARE CONSIDERED AS APPOINTING AUTHORITY FOR APPOINTMENT OF ARBITRATORS[5]

1. Indian Council of Arbitration, New Delhi;
2. International Centre for Alternative Disputes Resolution (India);
3. Indian Roads Congress;
4. Indian Building Congress;
5. Indian Institute of Bridge Engineers;
6. Indian Institute of Public Health Engineers;
7. Institute of Water Works

[5] Add any other Organization considered suitable.

SECTION 6: CONTRACT DATA

Items marked "N/A" do not apply in this Contract.

The following documents are also part of the Contract:	**Clause Reference**
• The Schedule of Operating and Maintenance Manuals	[48]
• The Methodology and Program of Construction	[25]
• Site Investigation Reports	[14]
• The Schedule of Key and Critical Equipment to be deployed on the work as per agreed program of construction.	[25]

The Employer is :

Name: The Chief Commissioner [1.1]

Address: BBMP. N.R.Square, Bangalore-02

Name of authorized Representative: Executive Engineer
Road Infrastructure-TEC Division
Bruhath Bangalore Mahanagara Palike

The name and identification number of the Contract is
Widening of Dr. B.R. Ambedkar Veedhi Road from Karnataka Secretariat Club road (Cubbon Park gate) to BESCOM Corporate Office including Realigning of Existing Underpass at K.R. Circle in BBMP
[insert name and number as indicated in the Invitation for Tenders]. [1.1]

The Works consist of ----------
[brief summary, including relationship to other contracts under the Project].

The start date shall be the date of issue of notice to proceed with the work. [1.1]

The Intended Completion Date for the whole
of the Works is 09 months [6] with the following milestones [17, 26]

Milestone dates:
Physical works to be completed in 9 Months Period from the date of issue of Notice to proceed with the work

Milestone 1 i.e Financial Progress for Rs. 87.00 Lakhs within 3 Months from the date of work order
Milestone 2 i.e Financial Progress for Rs. 87.00 Lakhs within 6 Months from the date of work order
Milestone 3 i.e Financial Progress for Rs. 175.00 Lakhs within 9 Months from the date of work order

The Site Possession Date is:[7] **From the date of Issue of Work Order** [21]

The Site is located at Bangalore BBMP Limits [1.1]
and is defined in drawings nos. _____

[6] At the time of preparation of the tender document give the period required for completion of whole work and the milestones. When the Agreement is drawn after award of contract the dates can be put in.
[7] At the time of preparation of the tender document give the period after the issue of work order, when the site would be made available to the contractor, for example 'one week after the issue of work order'

The Defects Liability Period is 03 years from the date of completion of Work/Project [31]

Insurance requirements are as under: [13]

	Type of Cover	Minimum cover for Insurance[8]
(i)	Works and of Plant and materials	The sum stated in the Agreement plus 20%
(ii)	Loss or damage to equipment	Full replacement cost
(iii)	Loss or damage to property of Third Party	Full replacement cost
(iv)	Personal injury or death insurance (a) for Third Party[9]	
	(b) for Contractor's employees or labour	In accordance with the statutory requirements applicable to Karnataka

Price Adjustment Formula;[10] [40]

R= Value of work as defined in Clause 40.1 of Conditions of Contract.

Adjustment for labour component:

(i) Price adjustment for increase or decrease in the cost due to labour shall be paid in accordance with the following formula:

$V_L = 0.85 \times P_L / 100 \times R \times (L_i - L_o) / L_o$ Where,

V_L = Increase or decrease in the cost of work during the quarter under consideration due to changes in rates for local labour;

L_o = The average consumer price index[11] for industrial workers for Bangalore Centre for the quarter preceding the date of opening of tenders as published by the Labour Bureau, Ministry of Labour, Government of India;

L_i = The average consumer price index for industrial workers for Bangalore Centre for the quarter under consideration as published by Labour Bureau, Ministry of Labour, Government of India

P_L = Percentage of labour component of the work

Adjustment for Cement Component:

(ii) Price adjustment for increase or decrease in the cost of cement component procured by the contractor shall be paid in accordance with the following formula.

$$V_C = 0.85 \times P_C / 100 \times R \times (C_i - C_o) / C_o \text{ , Where,}$$

V_C = Increase or decrease in the cost of the work during the quarter under consideration due to changes in the rates for cement;

[8] Employer to specify as per requirement. Exclusions if any should also be specified.
[9] Specify an appropriate figure. For normal works it could be Rs.20 lakhs to cover 4 persons @Rs.5 lakhs each.
[10] The Formula has some normal components. It should be changed if need be to suit the nature of the work.
[11] The Index numbers are available in the web site *http://labourbureau.nic.in/indtab.html*

C_o = The all India average wholesale price index [12]for cement (Ordinary Portland Cement) for the quarter preceding the date of opening of the tenders as published by the Office of Economic Advisor, Ministry of Commerce and Industry, Government of India , New Delhi;

C_i = The all India average wholesale price index for cement (Ordinary Portland Cement) for the quarter under consideration as published by the Office of Economic Advisor, Ministry of Commerce and Industry, Government of India, New Delhi

P_C = Percentage of cement component of the work

Note: For the application of this clause index of Ordinary Portland Cement[13] has been chosen to represent Cement Group

Adjustment for steel component:

(iii) Price adjustment for increase or decrease in the cost of steel procured by the contractor shall be paid in accordance with the following formula.

$V_S = 0.85 \times P_S / 100 \times R \times (S_i - S_o)/S_o$ where,

V_S = Increase or decrease in the cost of work during the quarter under consideration due to changes in the rates for steel;

S_o = The all India average wholesale price index for steel (M.S.Bars and rods) for the quarter preceding the date of opening of Bids as published by the Office of Economic Advisor, Ministry of Commerce and Industry, Government of India, New Delhi

S_i = The all India average wholesale price index for steel (M.S. Bars and Rods) for the quarter under consideration as published by the Office of Economic Advisor, Ministry of Commerce and Industry, New Delhi

P_S = Percentage of steel component of the work

Note: For the application of this clause, index of M.S.Bars and Rods[14] has been chosen to represent steel group.

Adjustment of Bitumen Component:

(iv) Price adjustment for increase or decrease in the cost of bitumen shall be paid in accordance with the following formula:

$$V_B = 0.85 \times P_B/100 \times R \times (B_i - B_o)/B_o \text{ , Where}$$

V_B = Increase or decrease in the cost of work during the quarter under consideration due to changes in the rate for bitumen.

B_o = The official retail price of bitumen at the IOC /HPCL/BPL or any other depot at ……. [15]on the day 30 days prior to the date of opening of Bids.

B_i = The official retail price of bitumen at the IOC/HPCL/BPL or any other depot at …….. for the 15th day of the middle calendar month of the quarter under consideration.

P_B = Percentage of bitumen component of the work.

Adjustment of Fuel and Lubricant component:

(v) Price adjustment for increase or decrease in cost of Fuel and Lubricants shall be paid in accordance with the following formula:

[12] The index number are available in the web site *http://eaindustry.nic.in*

[13] This may be changed to any other type of cement depending on the nature of work.

[14] This may be changed depending on the major type of steel used depending on the nature of work

[15] Insert the nearest location of POL Depot

$$V_F = 0.85 \times P_F / 100 \times R \times (F_i - F_o) / F_o, \text{ Where,}$$

V_F = Increase or decrease in the cost of work during the quarter under consideration due to changes in the rates for Fuel and Lubricants.

F_o = The official retail price of High Speed Diesel (HSD) at the IOC/HPCL/BPL or other consumer pump at Bangalore on the day 30 days prior to the date of opening of Bids.

F_i = The official retail price of HSD at the IOC/HPCL/BPL or other consumer pump at Bangalore for the 15th day of the middle calendar month of the quarter under consideration.

P_F = Percentage of Fuel and Lubricant component of the work.

Note: For the application of this Clause the price of HSD[16] has been chosen to represent Fuel and Lubricant Group

Adjustment for Plant and Machinery Spares Component:

(vi) Price adjustment for increase or decrease in the cost of plant and machinery spares procured by the contractor shall be paid in accordance with the following formula:

$$V_P = 0.85 \times P_P / 100 \times R \times (P_i - P_o) / P_o \text{ , Where}$$

V_P = Increase or decrease in the cost of work during the quarter under consideration due to changes in the rates for plant and machinery spares.

P_o = The all India average wholesale price index for Heavy machinery and parts for the quarter preceding the date of opening of bids, as published by the Office of the Economic Advisor, Ministry of Commerce and Industry, Government of India, New Delhi

P_i = The all India average wholesale price index for Heavy machinery and parts for the quarter under consideration as published by the Office of the Economic Advisor, Ministry of Commerce and Industry, Government of India, New Delhi

P_B = Percentage of Plant and Machinery Spares component of the work.

Note: For the application of this Clause index of Heavy Machinery and Parts[17] has been chosen to represent the Plant and Machinery Spares Group.

Adjustment for Other materials.:

(vii) Price adjustment for increase or decrease in the cost of other materials other than cement, steel, bitumen and Fuel and Lubricants[18], procured by the contractor shall be paid in accordance with the following formula:

$$V_M = 0.85 \times P_M / 100 \times R \times (M_i - M_o) / M_o \text{ , Where}$$

V_M = Increase or decrease in the cost of work during the quarter under consideration due to changes in the rates for local materials other than cement, steel, bitumen and Fuel and Lubricants.

M_o = The all India average wholesale price index for all commodities for the quarter preceding the date of opening of bids, as published by the Office of the Economic Advisor, Ministry of Commerce and Industry, Government of India, New Delhi

M_i = The all India average wholesale price index for all commodities for the quarter under consideration as published by the Office of the Economic Advisor, Ministry of Commerce and Industry, Government of India, New Delhi

P_M = Percentage of other material component (Other than cement, steel, bitumen and Fuel and Lubricants) of the work.

[16] This could be appropriately changed to any other item depending on the nature of work.
[17] This could be appropriately changed to any other item depending on the nature of the work.
[18] Add, delete or change depending on the nature of work.

The following percentages [19]will govern the price adjustment for the entire contract:[20]

1.	Labour – P_L	…….. %
2.	Cement – P_C	……%
3.	Steel – P_S	……%
4.	Bitumen – P_B	……%
5.	Fuel and Lubricants – P_F[21]	……%
6	Plant and Machinery Spares – P_P[22]	……%
7	Other materials – P_M	……%

TOTAL 100 %[23]

The liquidated damages for the whole of the works are 0.1% of the Final Contract Price per day

The maximum amount of liquidated damages for the whole of the works is Ten percent of final contract price. [41]

The amounts of the advance payment are: [42]

Nature of Advance	Amount (Rs.)	Conditions to be fulfilled
1. Mobilization	5% of the Contract price	On submission of un-conditional Bank Guarantee. (to be drawn before end of 20% of Contract period)

(The advance payment will be paid to the Contractor no later than 30 days after fulfillment of the above conditions).

Repayment of advance payment for mobilization : [42]

The advance loan shall be repaid with percentage deductions from the interim payments certified by the Engineer under the Contract. Deductions shall commence in the next Interim Payment Certificate following that in which the total of all such payments to the Contractor has reached not less than 15 percent of the Contract Price or —— [24]months from the date of payment of first installment of advance, whichever period concludes earlier, and shall be made at the rate of 7.5% percent of the amounts of all Interim Payment Certificates until such time as the loan has been repaid, always provided that the loan shall be completely repaid prior to the expiry of the original time for completion pursuant to Clauses 17 and 26.

[25]The date by which "as-built"[26] drawings (in scale …[27]) in 2 sets are required is within 30 days of issue of certificate of completion of Whole or Section of the Work as the case may be. [48]

[28]The date by which Operating and Maintenance Manuals are required is within 30 days of issue of certificate of completion of Whole or Section of the

[19] The percentages have to be approximately worked out on the estimates of cost and incorporated in the tender document before issue. It shall not be changed even if there is change of scope of work during execution.
[20] The components could be added or deleted or changed depending on the nature of the work.
[21] This could vary from 5% for normal works and 10% for highly mechanized operations in the work
[22] This could vary from 15% for normal works to 30% for highly mechanized operations in the work
[23] The total of the percentages for the various components of the works should be 100.
[24] To be filled up by the Employer before issue of the tender document; say 'Three or four months'
[25] Score out which ever is not applicable.
[26] Completion drawings
[27] Specify an appropriate scale
[28] Score out which ever is not applicable.

Work as the case may be. [48]

The amount to be withheld for failing to supply "as built" drawings or supply of Operation and Maintenance Manuals by the date required is Rs._____
(The amount should be sufficient to get the completion drawings or Operating and Maintenance Manuals prepared by alternative agency in case the contractor fails to submit.) [48]

The following events shall also be fundamental breach of the contract : [49.2]

1. The contractor has contravened Sub-clause 7.1 and Clause 9 of CC.

The percentage to apply to the value of the work not completed representing the Employer's [50.1]

Additional cost for completing the Works shall be 30 percent (30%) .
(Change if need be. It should be sufficient to get the balance of works completed by alternative agency.)

SECTION 8: DRAWINGS

SECTION 9: BILL OF QUANTITIES

Sl. No	Description of Item	Unit	Total Qty	Rate (In Rs.)		Amount
				In figures	In words	
1	Cutting of Trees, excluding removal of stumps and roots of trees Girth from 300 mm to 600 mm including all lead & lift etc complete and as per the directions of the engineer in charge	Each	3.00			
2	Cutting of Trees, excluding removal of stumps and roots of trees Girth from 600 mm to 900 mm including all lead & lift etc complete and as per the directions of the engineer in charge	Each	3.00			
3	Cutting of Trees, excluding removal of stumps and roots of trees Girth from 900 mm to 1800mm including all lead & lift etc complete and as per the directions of the engineer in charge	Each	5.00			
4	Removal of telephone / Electric poles including excavation and dismantling of foundation concrete and lines under the supervision of concerned department, disposal with all lifts and lead and stacking the serviceable and unserviceable material separately including all lead & lift etc complete and as per the directions of the engineer in charge	No.s	11.00			
5	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead B- Prestressed / Reinforced cement concrete grade M-20 & above including all lead & lift etc complete and as per the directions of the engineer in charge	M^3	481.11			
6	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead Brick / Tile work / rubble masonry / pitching / etc by mechanical means including all lead & lift etc complete and as per the directions of the engineer in charge	M^3	127.63			
7	Dismantling guard rails by manual means and disposal of dismantled material with all lifts and lead, stacking serviceable materials and unserviceable materials separately including all lead & lift etc complete and as per the directions of the engineer in charge	M	220.00			
8	Dismantling kerb stone by manual means and disposal of dismantled material with all lifts and lead including all lead & lift etc complete and as per the directions of the engineer in charge	M	220.00			
9	Clearing and grubbing road land including uprooting rank vegetation, grass, bushes, shrubs, saplings and trees girth up to 300 mm, removal of stumps of trees cut earlier and disposal of unserviceable materials and stacking of serviceable material to be used or auctioned, including removal and disposal of top organic soil not exceeding 150 mm in thickness. By Mechanical Means using Dozer In area of light jungle including all lead & lift etc complete and as per the directions of the engineer in charge	10000 M^2	0.13			

Sl. No	Description of Item	Unit	Total Qty	Rate (In Rs.)		Amount
				In figures	In words	
10	Earth work excavation for Foundation by mechanical means for all works & depth upto 3 m, as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage of machinery & other appurtenaces required to complete the work including all lead & lift etc complete and as per the directions of the engineer in charge	M^3	2642.75			
11	Construction of Embankment with approved materials deposited at site from roadway cutting and excavation from drain and foundation of other structures graded with desired compaction including all lead & lift etc complete and as per the directions of the engineer in charge	M^3	400.00			
12	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications.iNCLUDING FORMWORK (The cost of steel reinforcement shall be paid separately)Mix 1:3:6 (M10) Using 40 mm nominal size graded crushed coarse aggregates including all lead & lift etc complete and as per the directions of the engineer in charge	M^3	75.00			
13	Providing and laying in Reinforced cement concrete for all Basement & surface level works, return walls, retaining walls, sunken floors etc. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators,providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) M 35 Design Mix Using 20 mm nominal size graded crushed coarse aggregates including all lead & lift etc complete and as per the directions of the engineer in charge	M^3	876.66			
14	Construction of Dry lean cement concrete sub-base over a prepared sub grade with coarse and fine aggregates confirming to IS 383:2016 the size of coarse aggregates not exceeding 25mm replacing cement by fly ash to the extent of 20 percent,aggregate cement ratio not to exceed 15:1 aggregates gradation after blending to be as per table 600-1, cement content not to be less than 129 kg/m3, optimum moisture content to be determined during trial length construction , concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver with electronic sensor, compacting with 8-10 t vibratory roller, finishing and curing including all lead & lift etc complete and as per the directions of the engineer in charge	M^3	42.00			

Sl. No	Description of Item	Unit	Total Qty	Rate (In Rs.)		Amount
				In figures	In words	
15	Construction of White Topping with M40 grade plain cement concrete pavement over existing Bituminous surface (Preparation to be done if necessary either by Milling or Levelling course with BM/DLC) with approved grade Cement as per IRC SP 76:2015, coarse and fine aggregate conforming to IS 383:2016, maximum size of fine aggregate not exceeding 25 mm, mixed in a batching and mixing plant as per approved mix design, including fibre reinforcement @ 9.25 kg/m3, transported to site, laid with slip form paver finisher, spread, compacted and finished in a continuous operation with Texture Curing Machine including provision of contraction joint, joint filler, sealant primer, joint sealant, admixtures, curing compound, steel channels, finishing to lines and grades as per drawing. (Cost of milling if necessary shall be paid seperately) including all lead & lift etc complete and as per the directions of the engineer in charge	M^3	84.00			
16	Providing and laying in position Reinforced cement concrete for all Foundation works. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticizers laid in finished layers, well compacted using needle vibrators, including all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all the other appurtenances required to complete the work as per technical specifications including formwork. (The cost of steel reinforcement to be paid separately) M20 Design Mix Using 20 mm nominal size graded crushed coarse aggregates including all lead & lift etc complete and as per the directions of the engineer in charge	M^3	92.79			
17	Supplying, Fitting and Placing TMT Fe 550 bar Reinforcement in sub-structure complete as per Drawing and Technical Specifications including all lead & lift etc complete and as per the directions of the engineer in charge	t	119.82			
18	Providing and laying of Filter media with granular materials/stone crushed aggregates satisfying the requirements laid down in clause 2504.2.2. of MoRTH specifications to a thickness of not less than 600 mm with smaller size towards the soil and bigger size towards the wall and provided over the entire surface behind abutment, wing wall and return wall to the full height compacted to a firm condition complete as per drawing and Technical Specification including all lead & lift etc complete and as per the directions of the engineer in charge	M^3	295.20			
19	Construction of Granular Sub-Base of required grading as per design mixing in a mechanical mix plant at OMC, carriage of mixed Material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per clause 40 including all lead & lift etc complete and as per the directions of the engineer in charge For Grading -V Material	M^3	383.00			
20	Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying inuniform layers with paver/grader in sub-base / base course on well prepared surface and compacting with vibratory roller	M^3	315.00			

Sl. No	Description of Item	Unit	Total Qty	Rate (In Rs.)		Amount
				In figures	In words	
	to achieve the desired density including all lead & lift etc complete and as per the directions of the engineer in charge					
21	Providing and laying reinforced cement concrete pipe NP3 for culverts on first class bedding of granular material in double row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets as per Clause 1101.6 including all lead & lift etc complete and as per the directions of the engineer in charge pipe of 750 mm dia	m	250.00			
22	Providing and laying 60mm thick factory made precast M -30 grade Cement Concrete Paver Block as per IRC SP 63:2018 & IS 15658 for Cycle Tracks & Pedestrian Footpaths of approved shape and colour, laid in required pattern and including over 30mm thick compacted bed of coarse sand, filling the joints with fine sand etc. all complete as per the direction of Engineer-in charge. (WMM/WBM Base to be paid separately if necessary as per relevant technical specification) including all lead & lift etc complete and as per the directions of the engineer in charge	m	620.00			
23	Supplying and fixing M15 grade precast cement concrete Kerb stones for Roadway, Sidewalls and gutters fixed with CM 1:3 fixed and finsihed in line as per direction of Engineer in charge. (The cost of PCC shall be paid extra) including all lead & lift etc complete and as per the directions of the engineer in charge 600 x 300 x 150 mm Kerb Stone	m	715.00			
24	Providing and fixing Structural Steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete including cost of materials, labour, usage charges of achinery complete as per specifications and as per directions of the Engineer-in-Charge.	Kg	3250.00			
25	Providing and laying to required line and slope roofing with semicorrugated (Trafford) asbestos cement sheet 6mm. thick fixed with galvanised iron J or L hooks, bolts and nuts 8mm. dia C.I plain and bitumen washers, over the existing purlins, rafters and trusses including cost of materials, labour, complete as per specifications including all lead & lift etc complete and as per the directions of the engineer in charge	Kg	30.00			
26	Tubular Steel Railing on Medium Weight Steel Channel (ISMC series) 100 mm x 50 mmProviding, fixing and erecting 50 mm dia steel pipe railing in 3 rows duly painted on medium weight steel channels (ISMC series) 100 mm x 50 mm, 1.2 metres high above ground, 2 m centre to centre, complete as per approved drawings including all lead & lift etc complete and as per the directions of the engineer in charge	m^2	250.00			
27	Providing and applying two coats of ready mix paint of approved brand on steel surface after thorough cleaning of surface to give an even shade including all lead & lift etc complete and as per the directions of the engineer in charge	m^2	60.00			
	Painting two coats after filling the surface with synthetic enamel paint in all shades on new plastered concrete surfaces including all lead & lift etc complete and as per the directions of the engineer in charge	m^2	1295.20			

Sl. No	Description of Item	Unit	Total Qty	Rate (In Rs.)		Amount
				In figures	In words	
29	Supplying and installation of Class SN8 Double Wall Corrugated HDPE pipe outer wall corrugated and inner wall smooth piping system in accordance with IS 16098 part 2 and conveying to work site and lowering into trenches, laying true to line and level and perfect linking at joints with the help of two "O" rings and a coupler of suitable size, including loading and unloading at both destination and cutting of pipes where ever necessary including jointing with all labour, all lead and lift including encasing the pipe around to a depth of not less than 15 cm with screened soft soil available from the excavated soil. The testing commissioning including necessary hydraulic test to the required pressure as per ISS shall be done the contractor shall have to make his own arrangement for procuring water for testing including all lead & lift etc complete and as per the directions of the engineer in charge SN8 Double Wall Corrugated HDPE pipe sizes of 100 mm dia	m	250.00			
30	Providing and applying primer coat with SS1 grade Bitumen Emulsion on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0.70 kg per m2 using mechanical means including all lead & lift etc complete and as per the directions of the engineer in charge	m^2	1260.00			
31	Providing and applying tack coat with RS1 Bituminous Emulsion using emulsion pressure distributor at the rate of 0.20 kg/m2 on the prepared bituminous surface cleaned with mechanical broom including all lead & lift etc complete and as per the directions of the engineer in charge	m^2	1260.00			
32	Dense Graded Bituminous Macadam Grading - II for traffic <20 MSA :Providing and laying Dense Graded Bituminous Macadam with 40/60 TPH capacity HMP using crushed aggregates of specified grading, premixed with bituminous binder VG-40, @ 4.5 per cent by weight of total mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRTH specification clause No. 505 complete in all respects including all lead & lift etc complete and as per the directions of the engineer in charge	m^3	100.80			
33	Providing and applying tack coat with RS1 Bituminous Emulsion using emulsion pressure distributor at the rate of 0.20 kg/m2 on the prepared bituminous surface cleaned with mechanical broom including all lead & lift etc complete and as per the directions of the engineer in charge	m^2	5928.75			
34	Bituminous Concrete Grading II for traffic <20 MSA:Providing and laying Bituminous Concrete with 40/60 TPH capacity hot mix plant using crushed aggregates of specified grading, premixed with bituminous binder VG-30 @ 5.2 per cent of mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 507 complete in all respects including all lead & lift etc complete and as per the directions of the engineer in charge	m^3	252.90			
35	Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads @ 250 g/ m2 area, thickness of 2.5 mm is exclusive of surface applied glass	m^2	214.50			

Sl. No	Description of Item	Unit	Total Qty	Rate (In Rs.)		Amount
				In figures	In words	
	beads as per IRC:35:2015.The finished surface to be level, uniform and free from streaks and holes including all lead & lift etc complete and as per the directions of the engineer in charge					
36	Supplying of Solar Raised Pavement Markers made of polycarbonate molded body with circular shape, solar powered, LED self illumination in active mode, 360 degree illumination and reflective panels with micro prismatic lens capable of providing total internal reflection of the light entering the lens face in passive mode. The marker shall support a load of 20000 kg tested in accordance to ASTM D 4280. The marker should be resistant to dust and water ingress according to IP 65 standards and should withstand tempertures in the range of 0 C to 70 C. Color of lighting could be provided in red or yellow (amber) as per requirement and typicl frequency of blinking is 1 Hz. There should becurrent losses of less than 20 microamperes at 2.4 V in sleepcharging mode to enhance the life of the marker and a full charge should provide for a minimum autonomy of 50 hours. The height, width and length of the marker shall not be less than 10 mm x 100 mm x 100 mm. Also, the surface diameter of the marker shall not be less than 100 mm respectively. The weight of the marker shall not exceed 0.5 kg. Fixing will be by drilling holes on the road for the shanks to go inside, without nails and using epoxy resin based adhesive and complete as directed by the Engineer	each	337.00			
37	Providing and fixing of retro- reflectorised cautionary, mandatory and informatory sign as per IRC:67:2012 made of Class C Type XI retro reflective sheeting fixed over 2 mm thick aluminium sheeting vide clause 801.3, 3mm/4mm thick Aluminium composite material sheet depending on the size of the sign fixed over the back support frame of min 25 x 25 x 3mm angle mounted on a mild steel circular pipe 65 NB, 3.2 mm thickness firmly fixed to the ground by means of properly designed foundation with M25 grade cement concrete 45 cm x 45 cm x 60 cm, 60 cm below ground level as per approved drawing.The sign shall be maintained as per section 12 of IRC:67:2012 including all lead & lift etc complete and as per the directions of the engineer in charge 60 cm equilateral triangle	each	2.00			
38	Providing and fixing of retro- reflectorised cautionary, mandatory and informatory sign as per IRC:67:2012 made of Class C Type XI retro reflective sheeting fixed over 2 mm thick aluminium sheeting vide clause 801.3, 3mm/4mm thick Aluminium composite material sheet depending on the size of the sign fixed over the back support frame of min 25 x 25 x 3mm angle mounted on a mild steel circular pipe 65 NB, 3.2 mm thickness firmly fixed to the ground by means of properly designed foundation with M25 grade cement concrete 45 cm x 45 cm x 60 cm, 60 cm below ground level as per approved drawing.The sign shall be maintained as per section 12 of IRC:67:2012 including all lead & lift etc complete and as per the directions of the engineer in charge 600mm Circular - TYPE XI	each	2.00			
39	Providing and fixing of retro- reflectorised cautionary, mandatory and informatory sign as per IRC:67:2012 made of Class C Type XI retro reflective sheeting fixed over 2 mm thick aluminium sheeting vide clause 801.3, 3mm/4mm thick Aluminium composite material sheet depending on the size of the sign fixed over the back support frame of min 25 x 25 x	each	2.00			

Sl. No	Description of Item	Unit	Total Qty	Rate (In Rs.)		Amount
				In figures	In words	
	3mm angle mounted on a mild steel circular pipe 65 NB, 3.2 mm thickness firmly fixed to the ground by means of properly designed foundation with M25 grade cement concrete 45 cm x 45 cm x 60 cm, 60 cm below ground level as per approved drawing.The sign shall be maintained as per section 12 of IRC:67:2012 including all lead & lift etc complete and as per the directions of the engineer in charge 900 mm Equilateral triangle- TYPE XI					
40	Providing and fixing of retro- reflectorised cautionary, mandatory and informatory sign as per IRC:67:2012 made of Class C Type XI retro reflective sheeting fixed over 2 mm thick aluminium sheeting vide clause 801.3, 3mm/4mm thick Aluminium composite material sheet depending on the size of the sign fixed over the back support frame of min 25 x 25 x 3mm angle mounted on a mild steel circular pipe 65 NB, 3.2 mm thickness firmly fixed to the ground by means of properly designed foundation with M25 grade cement concrete 45 cm x 45 cm x 60 cm, 60 cm below ground level as per approved drawing.The sign shall be maintained as per section 12 of IRC:67:2012 including all lead & lift etc complete and as per the directions of the engineer in charge 900 mm Octogen Stop Board- TYPE XI	each	2.00			
41	Direction and Place Identification Signs upto 0.9 sqm Size Board: Providing and erecting direction and place identification retro-reflectorised sign as per IRC:67:2012 made of high intensity grade sheeting vide clause 801.3, fixed over aluminium sheeting, 2 mm thick or Aluminium composite material sheet with overall thickness of 4mm with area not exceeding 0.9 m2 fixed over back support frame of min 35 x 35 x 3mm angle mounted on a mild steel circular pipe 65 NB, firmly fixed to the ground by means of properly designed foundation with M25 grade cement concrete 45 x 45 x 60 cm, 60 cm below ground level as per approved drawing including all lead & lift etc complete and as per the directions of the engineer in charge	m^2	1.80			
42	Direction and Place Identification Signs with size morethan 0.9 SqmSize Board: Providing and erecting direction and place identification retroreflectorised sign as per IRC:67:2012 made of high intensity grade sheeting vide clause 801.3, fixed over aluminium sheeting, 2 mm thick or Aluminium composite material sheet with overall thickness of 4mm with area exceeding 0.9 m2 fixed over back support frame of min 40 x 40 x 5mm angle mounted on a mild steel circular pipe 65 NB, firmly fixed to the ground by means of properly designed foundation with M25 grade cement concrete 45 x 45 x 60 cm, 60 cm below ground level as per approved drawing including all lead & lift etc complete and as per the directions of the engineer in charge	m^2	2.70			
43	Fabricating, supplying and erecting swaged tubular pole of height 9 Mtr having three sections, and providing two coats of redoxide paint and finished with two coats of enamelled paint of approved quality and colour and M.S. base plate of suitable size welded at the bottom of the pole(ass per IS) and 40mm dia GI / flexible PVC pipe of 1 mtr length fitted to the heavy guage polycorbonate control box including 5way connector of size 167x125x82mm for 7.5M pole/200x160x98mm for remaining	Each	10.00			

Sl. No	Description of Item	Unit	Total Qty	Rate (In Rs.)		Amount
				In figures	In words	
	length of pole with front opening cover, with locking arrangements and suitable capacity MCB / DP switch, The pole shall be errected in cement concrete work (1:2:4) including excavation and refilling of planting depth of the pole to the ground level and the coping CC shall be up to 0.6M above ground level as per IS 2713 - 7. (Chapter-4.0, P-13, I - 4.1.1) Erection of heavy duty pole on Footpath / median including coping painting including all lead & lift etc complete and as per the directions of the engineer in charge a) 9Mt (5Mt Hb,165.1mm dia 4.85mm thick x2M Hm, 139.7mm dia 4.50mm thikcx 2M Ht,114.3mm dia 3.65mm thick) as per IS 410 SP 32					
44	Supply of LED Street light luminaire with pressure die cast aluminium housing body with optimal heat sink for better thermal dissipation. Diffuser with injection moulded & is madE of polycarbonate material with high transmission index, delivering superior light output. Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70% CCT> 5500K, IP66 optical and electrical compartment & impact resistance of complete luminaire > IK08. Power factor >0.9 with mains Current shoud not be greater than 0.1A to 0.7A & Surge Protection -Min 4KV along with Over voltage / Over load, short circuit/ miswiring protection. Compatiable for pole mounting with ourter dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Over load & Short circuit protection ensures reliable opration in spite of problem in output side. Compliance to IS 10322/ IEC 60598, LM 79 & LM 80 Adherence iwth RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintance at the sight site location with minimized minimal tolls. LED Light fixture with ..... W System Power consumption . LED Efficiency> 130lm at 1W & Fixture Efficiency > 80lm/w with nominal CRI >75. Housing with suppier word mark / name shall be engraved / Embossing on the die cast housing Body part. Luminaire manufacturer should have in house facility accredited by NABL/ CPRI & any Government(agency & Design & Development facility certified by ISO 9001:2008. Housing with supplier word mark/name shall be engraved/Embrossing on the die cast housing body part.Warranty of 2 years against any manufacturing defect working under standard electrical conditions as mentioned above should be given by LED source manufacture &Cree /Nichia/Lumileds/Osram make LED Sourse . 150 Watts	Each	20.00			
45	Fixing of halogen / Metal halide/ SVL/IL/ LED flood light fittings over existing pole / wall ceiling including clamps, bolts, nuts and wiring using suitable capacity wires including all lead & lift etc complete and as per the directions of the engineer in charge	Each	10.00			
46	Supplying and fixing telescopic M.S. bracket fabricated by using 0.5m length 4" dia telescopic M. S. pipe with 2" dia 1.5m long M. S. bracket all are welded with suitable angle using 6mm thick M. S. sheet, grip bolts & nuts as required suitable for 9 to 12 mtrs M. S. tubular pole with necessary two coats of approved painting, with all other accessories etc completeincluding all lead & lift etc complete and as per the directions of the engineer in charge a) Single bracket 2 Mtr. Length	Each	5.00			

Sl. No	Description of Item	Unit	Total Qty	Rate (In Rs.)		Amount
				In figures	In words	
47	Supplying and fixing telescopic M.S. bracket fabricated by using 0.5m length 4" dia telescopic M. S. pipe with 2" dia 1.5m long M. S. bracket all are welded with suitable angle using 6mm thick M. S. sheet, grip bolts & nuts as required suitable for 9 to 12 mtrs M. S. tubular pole with necessary two coats of approved painting, with all other accessories etc complete including all lead & lift etc complete and as per the directions of the engineer in charge b)Double bracket 2x2 Mtr. Length	Each	10.00			
48	Supplying and drawing Flexible Multicore Cable manufactured with electrolytic grade flexible copper with low conductor confirming to IS 8130-1984 and (Virgin) PVC insulation sheathed suitable for working voltage upto 1100V as per IS-694:2010including all lead & lift etc complete and as per the directions of the engineer in charge a) 4 core X 2.5 sqmm	m	500.00			
49	Supplying and drawing Flexible Multicore Cable manufactured with electrolytic grade flexible copper with low conductor confirming to IS 8130-1984 and (Virgin) PVC insulation sheathed suitable for working voltage upto 1100V as per IS-694:2010including all lead & lift etc complete and as per the directions of the engineer in charge b) 4 core X 6 sqmm	m	500.00			

Note:

(1) Item for which no rate or price has been entered in will not be paid for by the Employer when executed and shall be deemed covered by the other rates and prices in the Bill of Quantities (refer: ITB Clause 11.2 and CC Clause 37.2).

(2) Unit rates and prices shall be quoted by the Tenderer in Indian Rupees.

(3) Where there is a discrepancy between the rate in figures and words, the lower of the two will govern. [ITT Clause 24.1(a)]

(4) Where there is a discrepancy between the unit rate and the line item total resulting from multiplying the unit rate by quantity, the unit rate quoted shall govern [ITT Clause 24.1 (b)]

SECTION 10: FORMAT OF BANK GUARANTEE FOR SECURITY DEPOSIT

To: …….. *[name of Employer]*
…… *[address of Employer]*

WHEREAS …….. *[name and address of Contractor]* (hereinafter called "the Contractor") has undertaken, in pursuance of Contract No. …….. dated : …….. to execute ……..*[name of Contract and brief description of Works]* (hereinafter called "the Contract");

AND WHEREAS it has been stipulated by you in the said Contract that the Contractor shall furnish you with a Bank Guarantee by a recognized bank for the sum specified therein as security for compliance with his obligations in accordance with the Contract;

AND WHEREAS we have agreed to give the Contractor such a Bank Guarantee;

NOW THEREFORE we hereby affirm that we are the Guarantor and responsible to you, on behalf of the Contractor, up to a total of Rs. …….. *[amount of guarantee]* [29]_Rupees……*[in words]*, and we undertake to pay you, upon your first written demand and without cavil or argument, any sum or sums within the limits of …….. *[amount of guarantee][30]* as aforesaid without your needing to prove or to show grounds or reasons for your demand for the sum specified therein.

We hereby waive the necessity of your demanding the said debt from the Contractor before presenting us with the demand.

We further agree that no change or addition to or other modification of the terms of the Contract or of the Works to be performed there under or of any of the Contract documents which may be made between you and the Contractor shall in any way release us from any liability under this guarantee, and we hereby waive notice of any such change, addition or modification.

This guarantee shall be valid until 30 days from the date of expiry of the Defects Liability Period.

Signature and seal of the guarantor _____
Name of Bank _____
Address _____
Date _____

[29] An amount shall be inserted by the Guarantor, representing the percentage of the Contract Price specified in the Contract
[30] An amount shall be inserted by the Guarantor, representing the percentage of the Contract Price specified in the Contract